December 2021 Update

Windows 10

Tricks and Tips

Next level Secrets & Fixes

Most used
Google Chrome
File Explorer
Mozilla Thunderbird
PDF Reader by Xodo
WPS Office
GIMP 2
#
3D Viewer
A
Adobe Creative Cloud
Adobe InDesign CC 2018
Adobe InDesign CC 2019
Alarms & Clock
Amazon Music
AMD Problem Report Wizard
AMD Settings
Apex Legends
Avast Free Antivirus
B
Backup and Sync from Google
C
Calculator
Calendar
Camera
Candy Crush Soda Saga
Canon Inkjet Print Utility
CCleaner
Chrome-Apps
Create
Calendar
Sticky Notes
Google Chrome
Mail
OneDrive
OneNote
Paint 3D
Microsoft Store
Maps
3D Viewer
Office
Films & TV
Groove Music
Steam
Explore
Skype
Calculator
NETFLIX
Lorry driver remains under arrest as his family reacts with shock
News
Tips
Snip & Sketch
WPS Office
Speccy
Play
Sunny
13°
Fri
Sat
Sun
Mon
Tue
17°
13°
18°
8°
12°
6°
11°
6°
11°
7°
London
Games and Fun Stuff
Photos
Messaging
People
Mixed Reality...
Type here to search

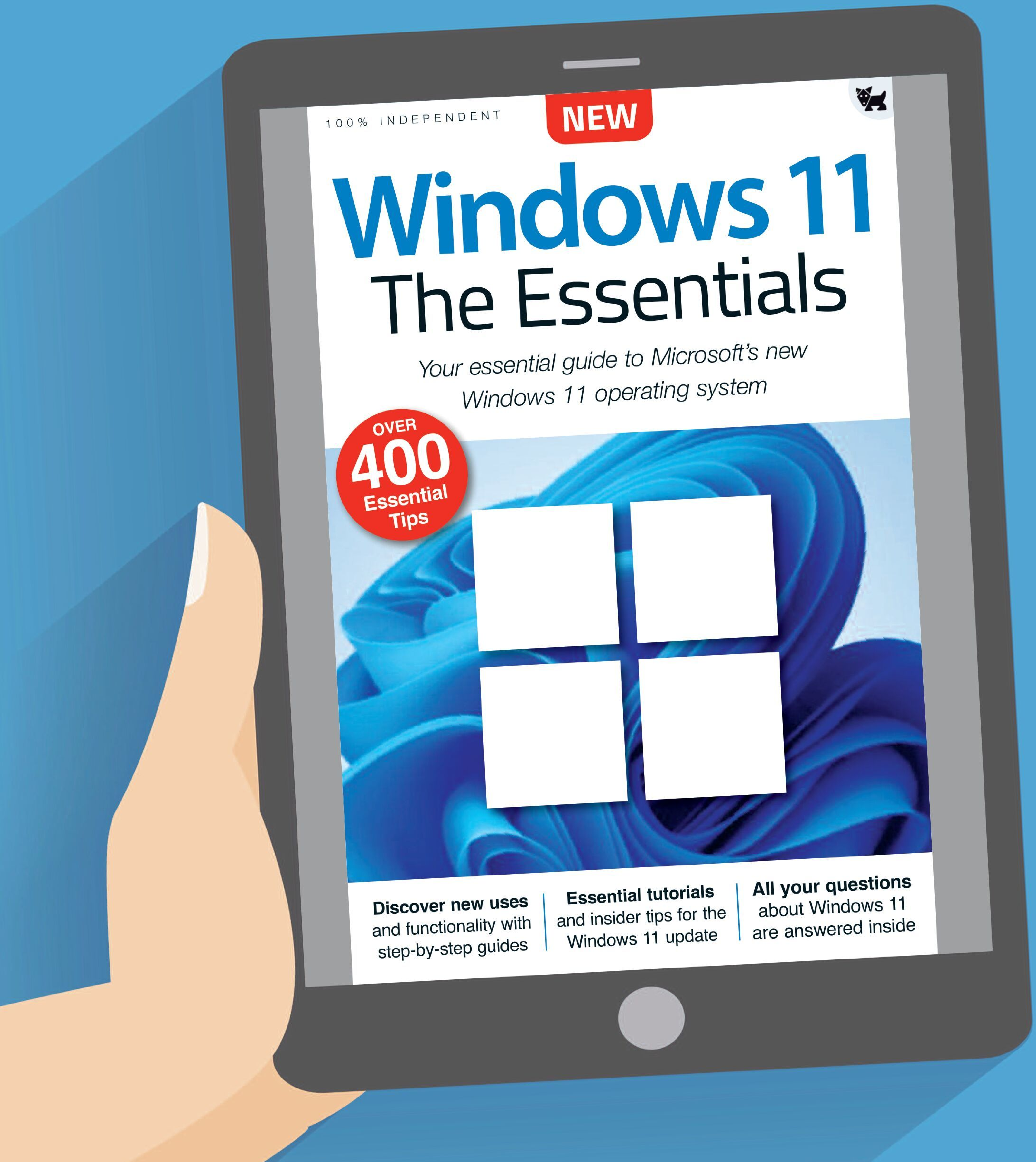
Advanced Tutorials & Guides

Expert Pro Tips & Hacks

Over 448 Secrets & Hacks

Are you a Windows PC user?

Then don't miss our latest essential Windows 11 user guide on Readly now!


100% INDEPENDENT
NEW
Windows 11
The Essentials
Your essential guide to Microsoft's new Windows 11 operating system
OVER 400 Essential Tips
Discover new uses and functionality with step-by-step guides
Essential tutorials and insider tips for the Windows 11 update
All your questions about Windows 11 are answered inside

Windows 10

Tricks and Tips

Welcome back… Having completed our exclusive For Beginners digital guidebook, we have taught you all you need to master the basics of your new device, software or hobby. Yet that's just the start!

Advancing your skill set is the goal of all users of consumer technology and our team of long term industry experts will help you achieve exactly that. Over this extensive series of titles we will be looking in greater depth at how you make the absolute most from the latest consumer electronics, software, hobbies and trends! We will guide you step-by-step through using all the advanced aspects of the technology that you may have been previously apprehensive at attempting. Let our expert guide help you build your understanding of technology and gain the skills to take you from a confident user to an experienced expert.

Over the page our journey continues, and we will be with you at every stage to advise, inform and ultimately inspire you to go further.

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> “…your guide to getting the best from the most popular operating system, powering over 700 million PC’s around the world…”

Windows 10 Tricks and Tips
8th Edition | ISBN: 978-1-912847-73-0

Published by: Papercut Limited
Digital distribution by: Readly, Pocketmags & Zinio

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Windows 10 Advanced Guides

Using Windows successfully is all about knowing the little tips and tricks which make seemingly difficult tasks easier. With every page filled to bursting with great advice and invaluable security shortcuts, this is *the* guide to helping you go from Windows novice to Windows expert!

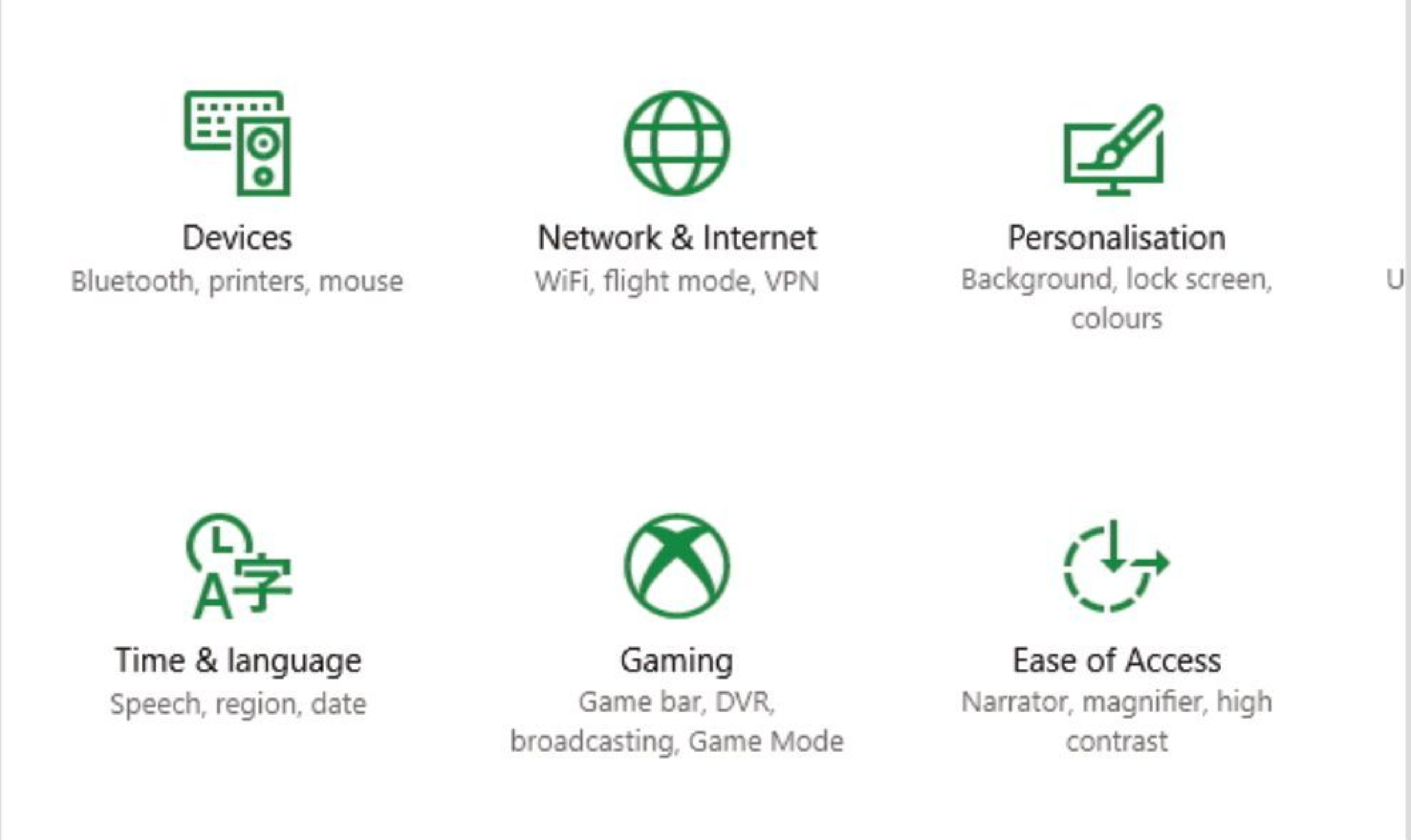
Limiting Data Usage when Tethering

If you are out and about with your Windows 10 laptop and need access to the Internet, you have the option of connecting through your smartphone, using a tethered connection. Tethering means connecting your phone to the mobile data network and then connecting a second device via Wi-Fi to the phone to make use of that connection. Windows 10 can be data-heavy; a problem if your phone has limited mobile data allowance.

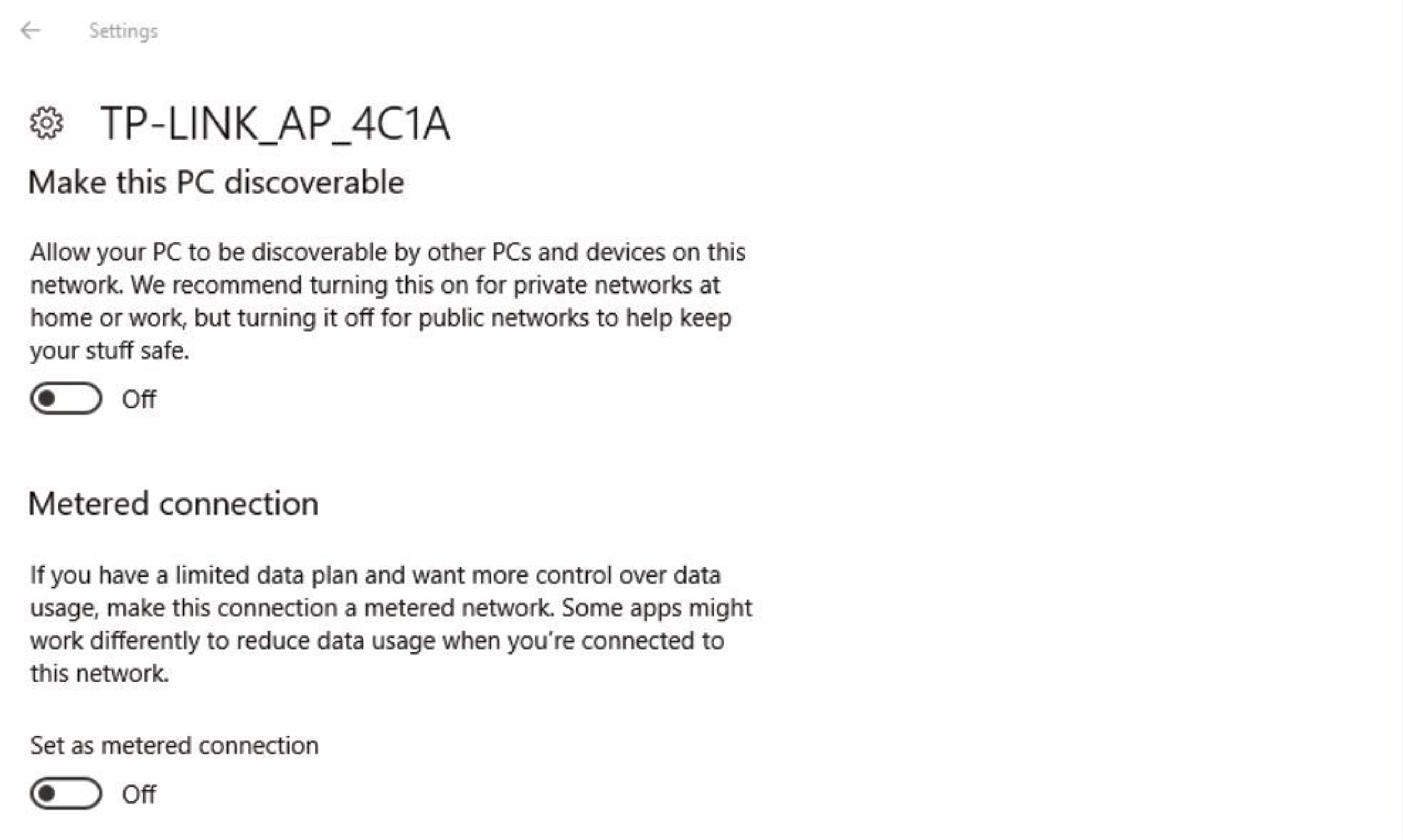
Set Your Tethered Connection to Metered

Windows 10 can be quite data-heavy, as mentioned, especially if an update happens to become available when tethered. Luckily, you can tell Windows to automatically limit data use.

1 Cellular data connections are set as metered by default. Wi-Fi and Ethernet network connections can be set to metered but aren't by default. Some apps might work differently on a metered connection to help reduce your data usage. Some updates for Windows won't be installed automatically either.


Devices
Bluetooth, printers, mouse
Network & Internet
WiFi, flight mode, VPN
Personalisation
Background, lock screen, colours
Time & language
Speech, region, date
Gaming
Game bar, DVR, broadcasting, Game Mode
Ease of Access
Narrator, magnifier, high contrast

2 To set a Wi-Fi network connection as metered, click Start > Settings > Network & Internet > Wi-Fi > Manage known networks. Select the Wi-Fi network > Properties > turn on Set as metered connection. Unfortunately, many Windows apps completely ignore the metered connection setting.



TP-LINK_AP_4C1A

Make this PC discoverable

Allow your PC to be discoverable by other PCs and devices on this network. We recommend turning this on for private networks at home or work, but turning it off for public networks to help keep your stuff safe.

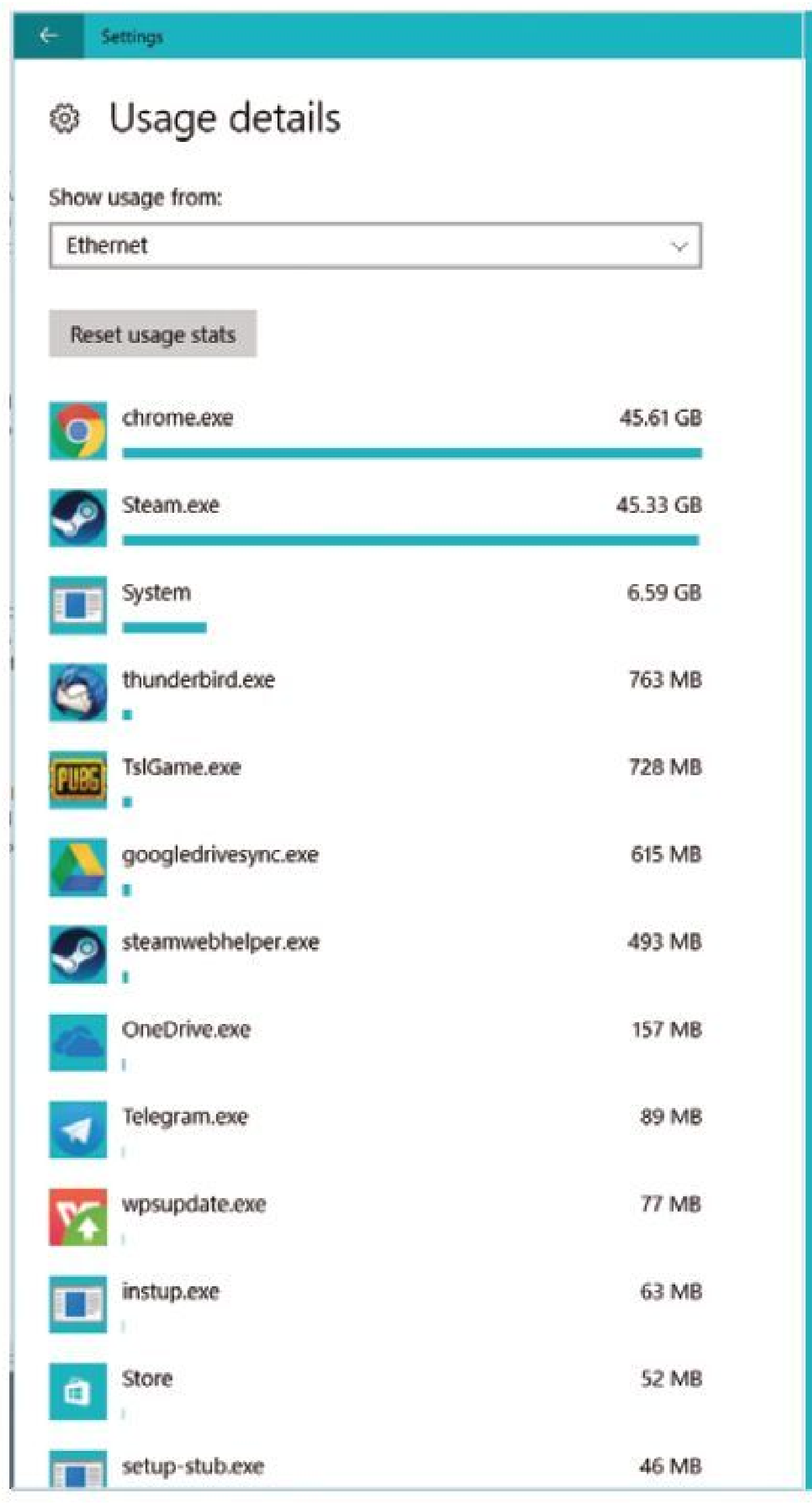
Off

Metered connection

If you have a limited data plan and want more control over data usage, make this connection a metered network. Some apps might work differently to reduce data usage when you're connected to this network.

Set as metered connection

Off


Settings

Usage details

Show usage from:

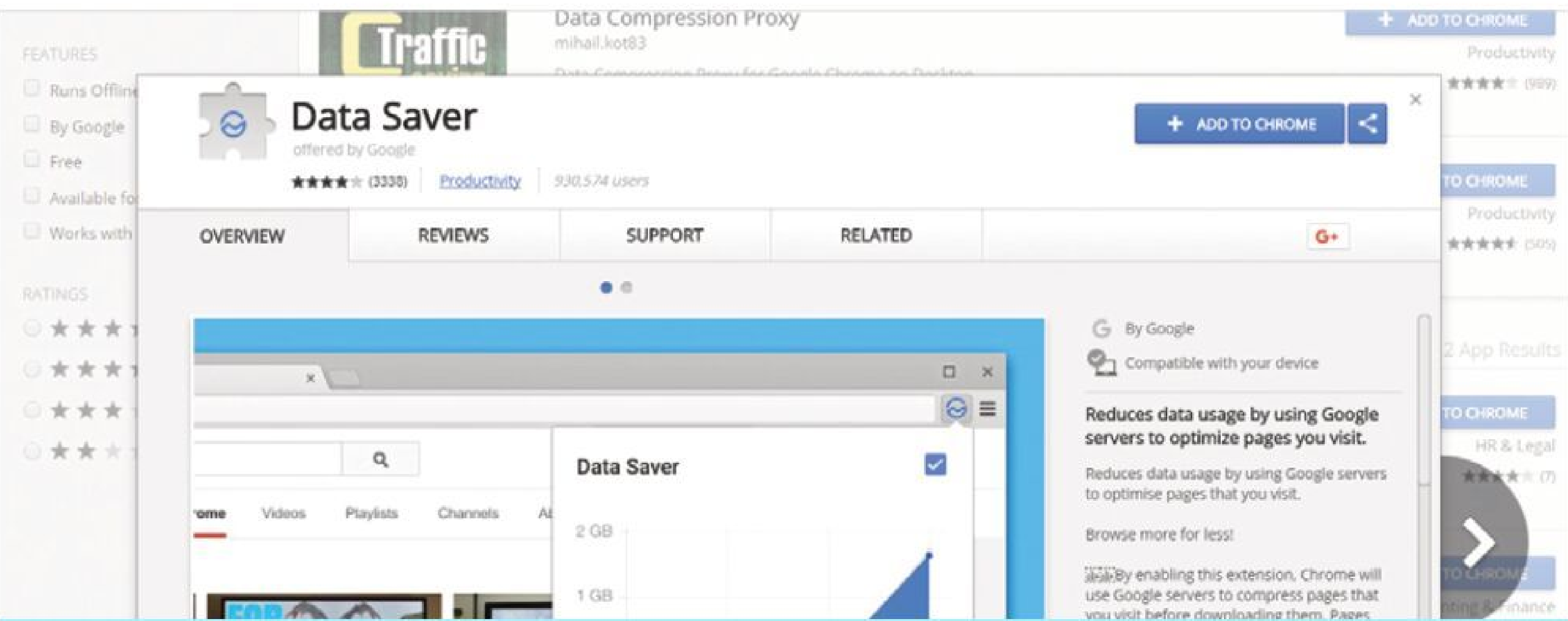
Ethernet

Reset usage stats

chrome.exe	45.61 GB
Steam.exe	45.33 GB
System	6.59 GB
thunderbird.exe	763 MB
TslGame.exe	728 MB
googledrivesync.exe	615 MB
steamwebhelper.exe	493 MB
OneDrive.exe	157 MB
Telegram.exe	89 MB
wpsupdate.exe	77 MB
instup.exe	63 MB
Store	52 MB
setup-stub.exe	46 MB

CHECK NETWORK USAGE DETAILS

You can also view a log of how much data applications on your PC have used in the last 30 days. This can help you identify applications that might be using data in the background. To check this, head to Settings > Network & Internet > Data usage and click the graph to see more details.


Data Compression Proxy
mihail.kot83
ADD TO CHROME
Productivity
FEATURES
Runs Offline
By Google
Free
Available for
Works with
RATINGS
Data Saver
offered by Google
(3338)
Productivity
930,574 users
ADD TO CHROME
OVERVIEW
REVIEWS
SUPPORT
RELATED
Videos
Playlists
Channels
Data Saver
2 GB
1 GB
By Google
Compatible with your device

Reduces data usage by using Google servers to optimize pages you visit.

Reduces data usage by using Google servers to optimise pages that you visit.

Browse more for less!

By enabling this extension, Chrome will use Google servers to compress pages that you visit before downloading them. Pages

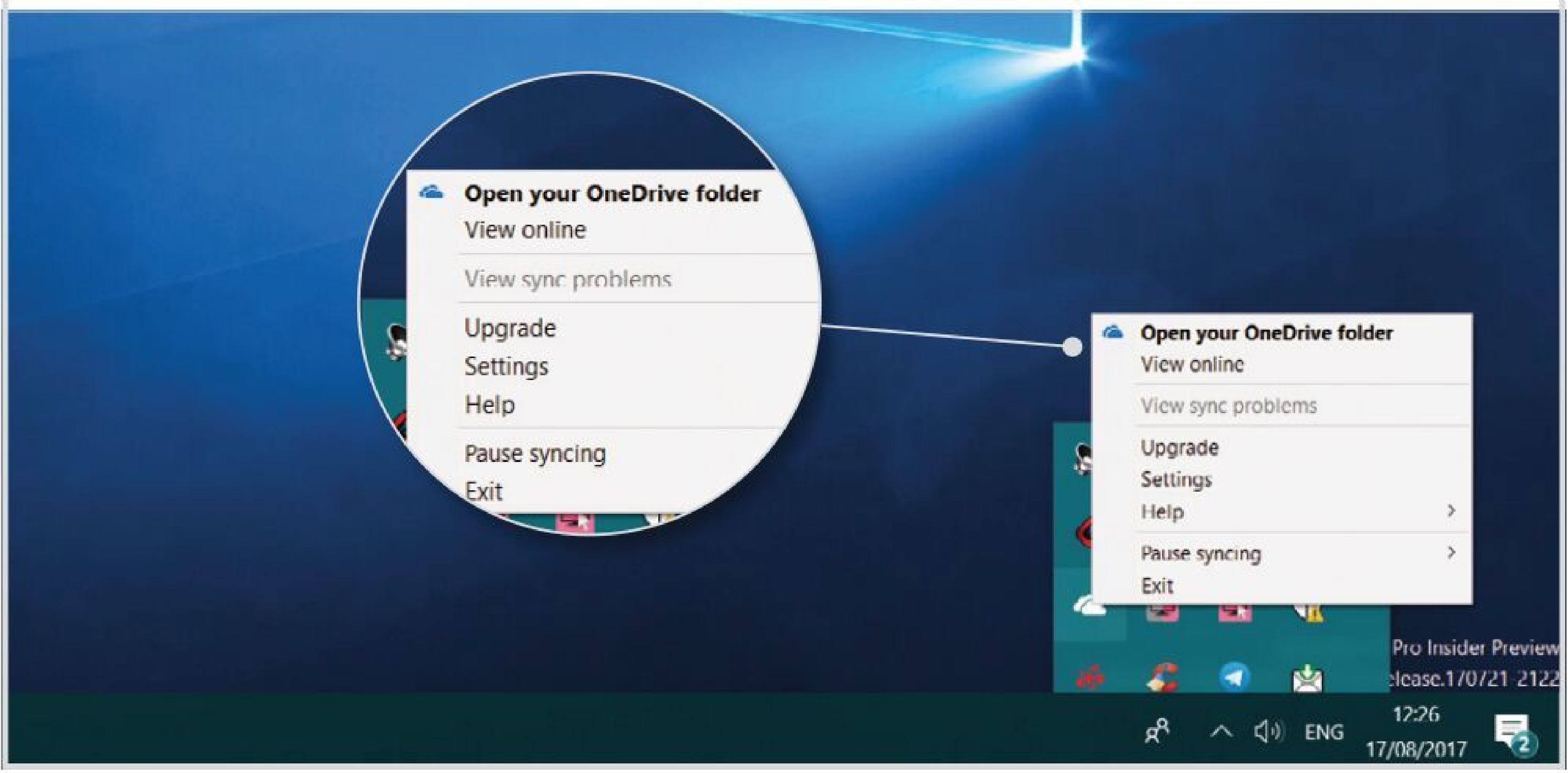
MANAGE BROWSING DATA

You should now have reduced background data use, including updates and cloud syncing, so data use will be in the apps you use; for example, Google Chrome. You can install a handy extension for Chrome which limits data. Go to www.chrome.google.com/webstore/ and search for Data Saver.

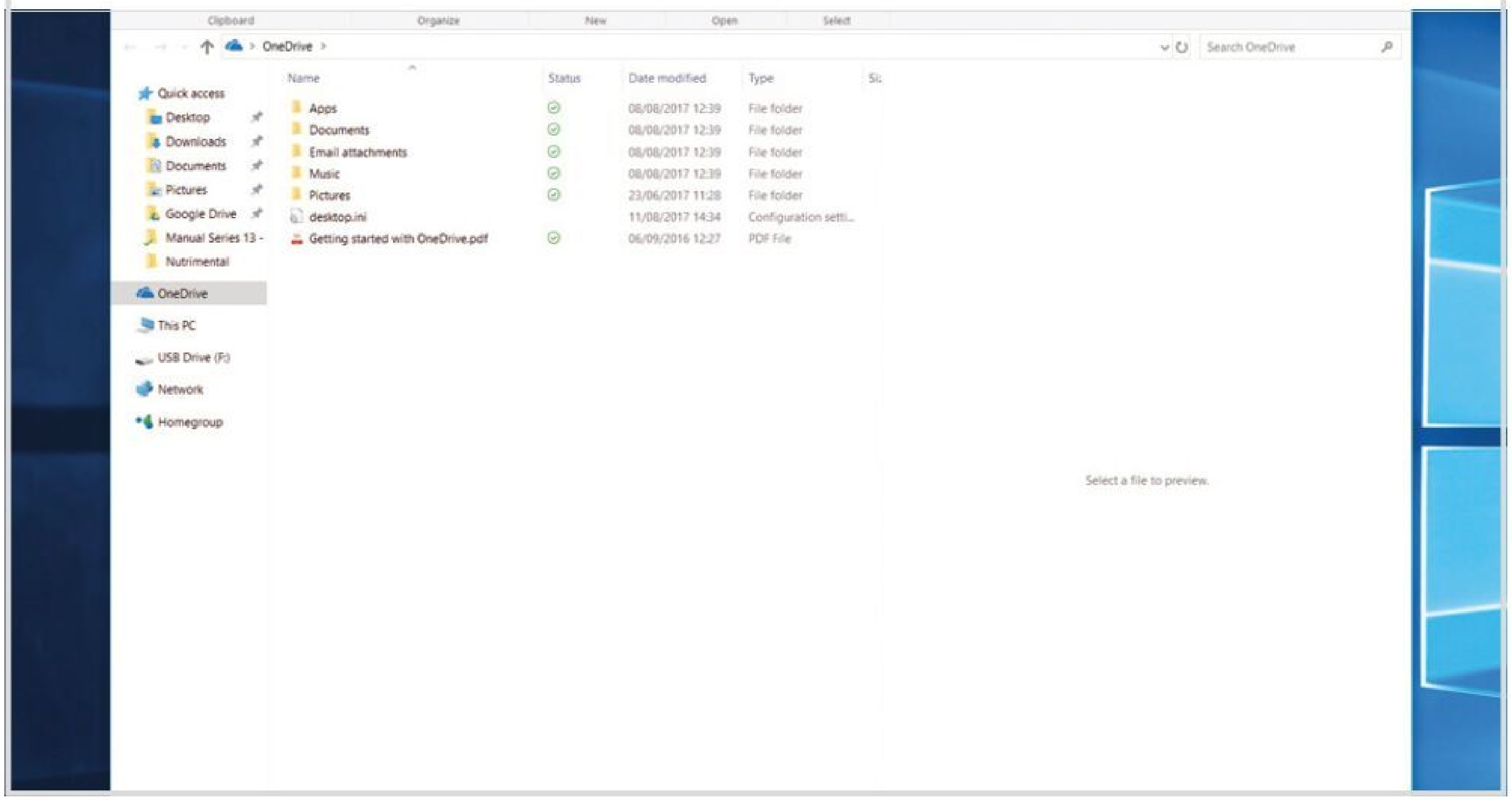
Pause or Disable OneDrive

If you use OneDrive to backup images etc., pausing it while you are tethering can help to reduce data use. If you never use OneDrive, you can even completely disable it.

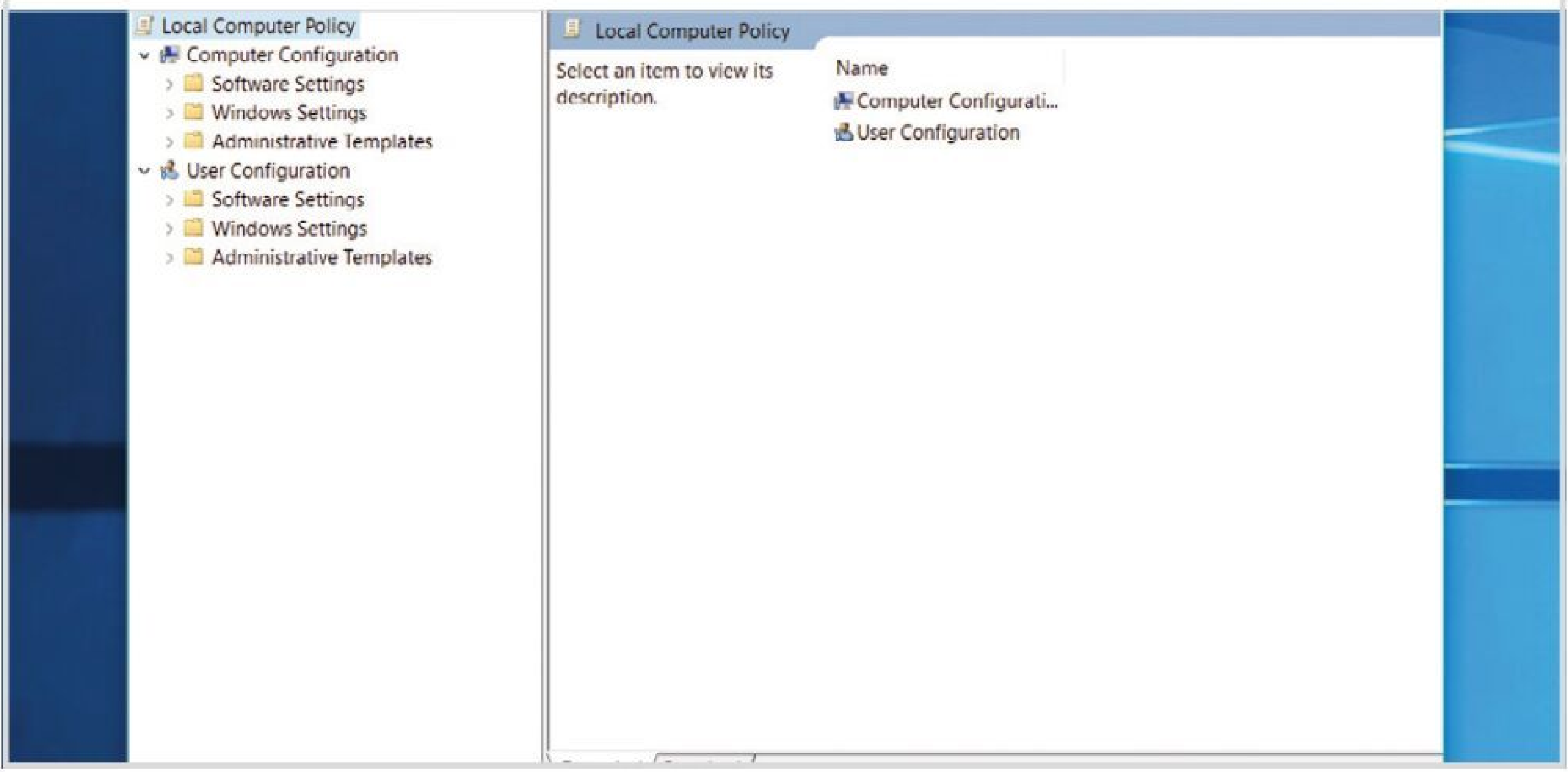
1 Stopping OneDrive just for the duration of your tethering is easy. Click the Hidden Icons arrow in the taskbar, bottom right of the screen, and right-click on the OneDrive icon (the cloud). From the Action menu, either click on Pause Syncing" (you can choose a duration) or click Exit.


Open your OneDrive folder
View online
View sync problems
Upgrade
Settings
Help
Pause syncing
Exit
ENG
12:26
17/08/2017

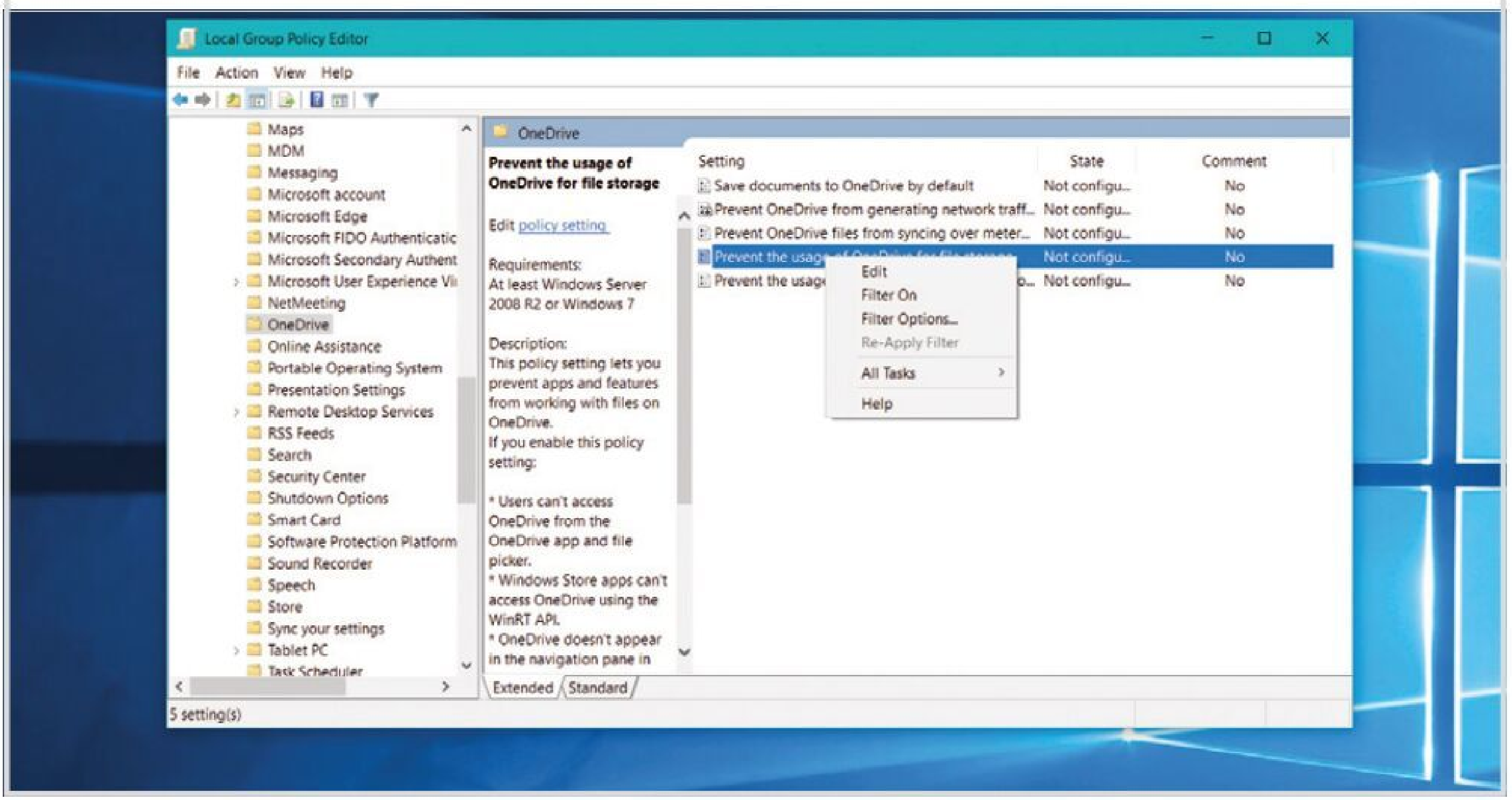
2 OneDrive in Windows 10 can be disabled through your computer's Local Group Policy Editor. This doesn't remove OneDrive from your PC but it stops it from syncing with the cloud or connecting with other apps, and removes it from the navigation pane in File Explorer.

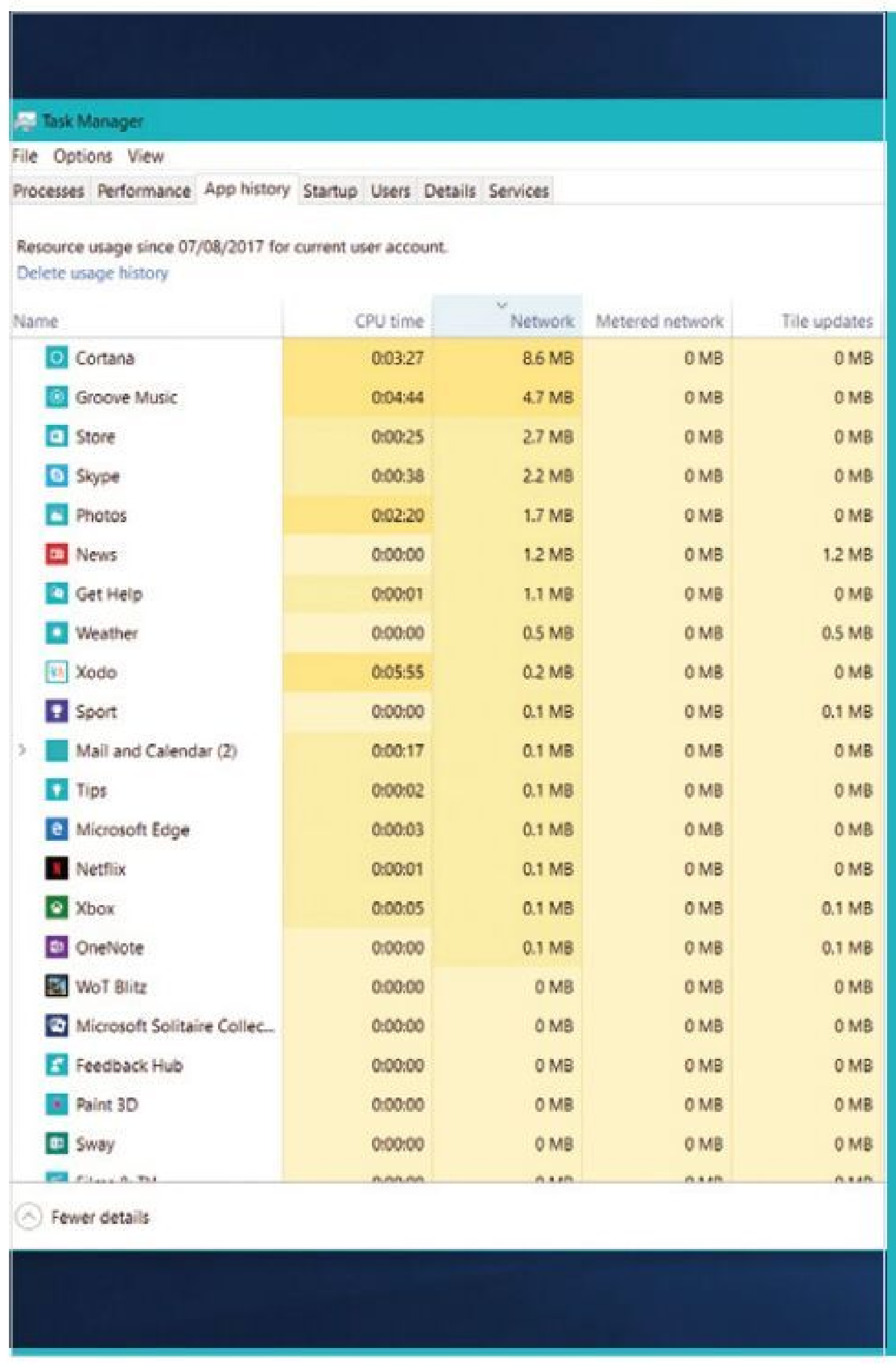

OneDrive
Quick access
Desktop
Downloads
Documents
Pictures
OneDrive
This PC
Network
Apps
Documents
Email attachments
Music
Pictures
desktop.ini
Getting started with OneDrive.pdf

3 Press the Windows key + R to open the Run box. Type `gpedit.msc` and click OK. In the Local Group Policy Editor, in the folder list under Local Computer Policy, navigate the folders to Local Computer Policy > Computer Configuration > Administrative Templates > Windows Components > OneDrive.


Local Computer Policy
Computer Configuration
Software Settings
Windows Settings
Administrative Templates
User Configuration
Software Settings
Windows Settings
Administrative Templates
Select an item to view its description.
Name
Computer Configurati...
User Configuration

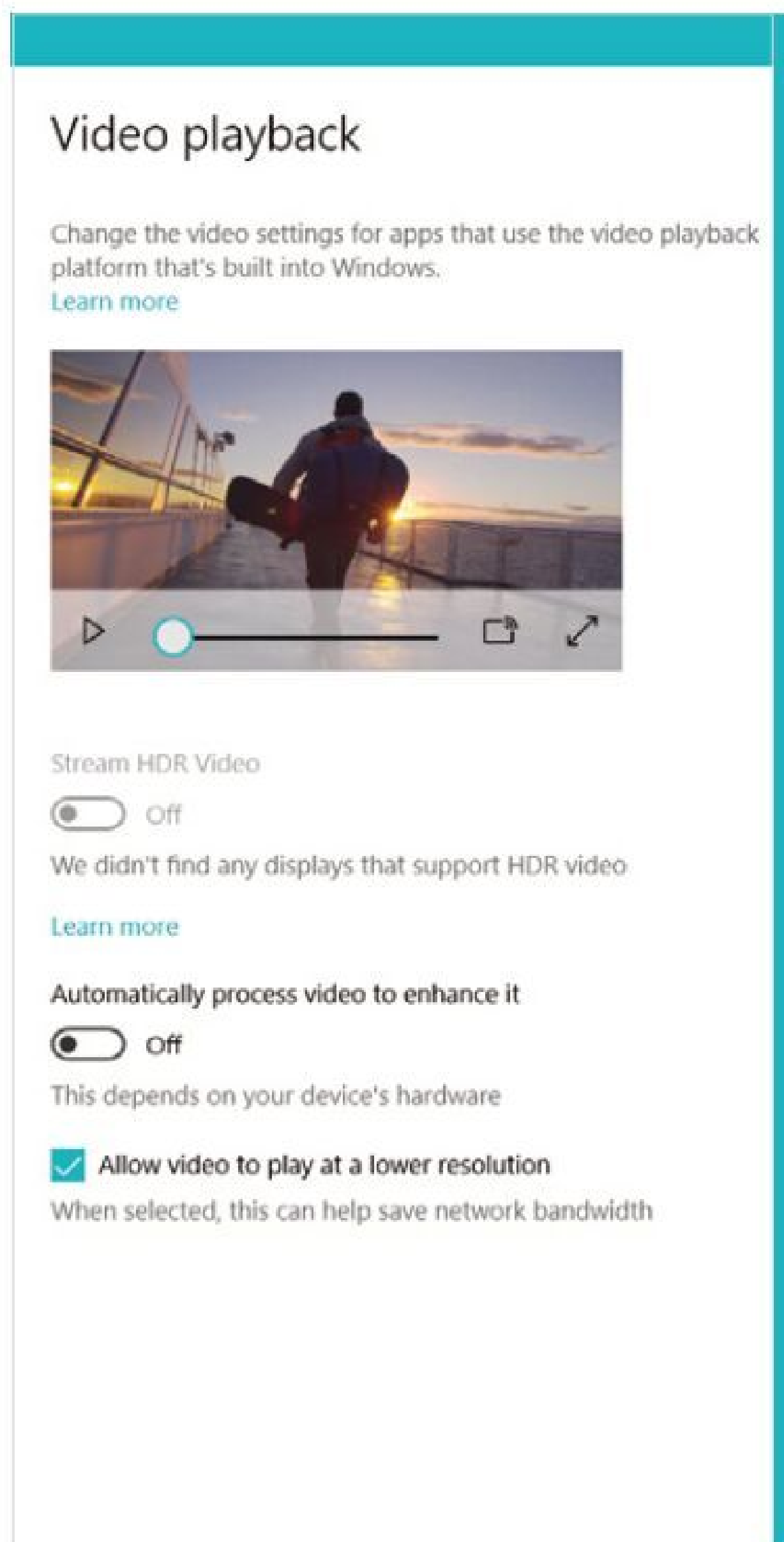
4 On the OneDrive screen, under Settings, click Prevent the usage of OneDrive for file storage. In the Prevent the usage of OneDrive for file storage box, select Enabled, then click OK. Be aware that disabling OneDrive like this will disable it for all users of the PC, not just you.


Local Group Policy Editor
OneDrive
Prevent the usage of OneDrive for file storage
Edit policy setting
Setting
State
Comment
Save documents to OneDrive by default
Prevent OneDrive from generating network traff...
Prevent OneDrive files from syncing over meter...
Prevent the usage of OneDrive for file storage
Edit
Filter On
Filter Options...
Re-Apply Filter
All Tasks
Help
Extended
Standard
5 setting(s)


Task Manager
Processes
Performance
App history
Startup
Users
Details
Services
Name
CPU time
Network
Metered network
Tile updates
Fewer details

CHECK TASK MANAGER

The Task Manager is a great tool for checking to see which apps or services are using a lot of data at any time. To open the Task Manager, press Ctrl+Shift+Esc or search for it in the Start menu search field. Click at the top of the Network tab to display high usage services at the top.


Video playback
Change the video settings for apps that use the video playback platform that's built into Windows.
Learn more
Stream HDR Video
Off
We didn't find any displays that support HDR video
Learn more
Automatically process video to enhance it
Off
This depends on your device's hardware
Allow video to play at a lower resolution
When selected, this can help save network bandwidth

REDUCE STREAMING VIDEO QUALITY

Streaming or downloading videos is a surefire way to burn through your data quickly and is best avoided when tethering. However, if you need to view video over a tethered connection, you can tell Windows to reduce quality in Settings > Apps > Video Playback. Click 'Allow video to play at low res'.

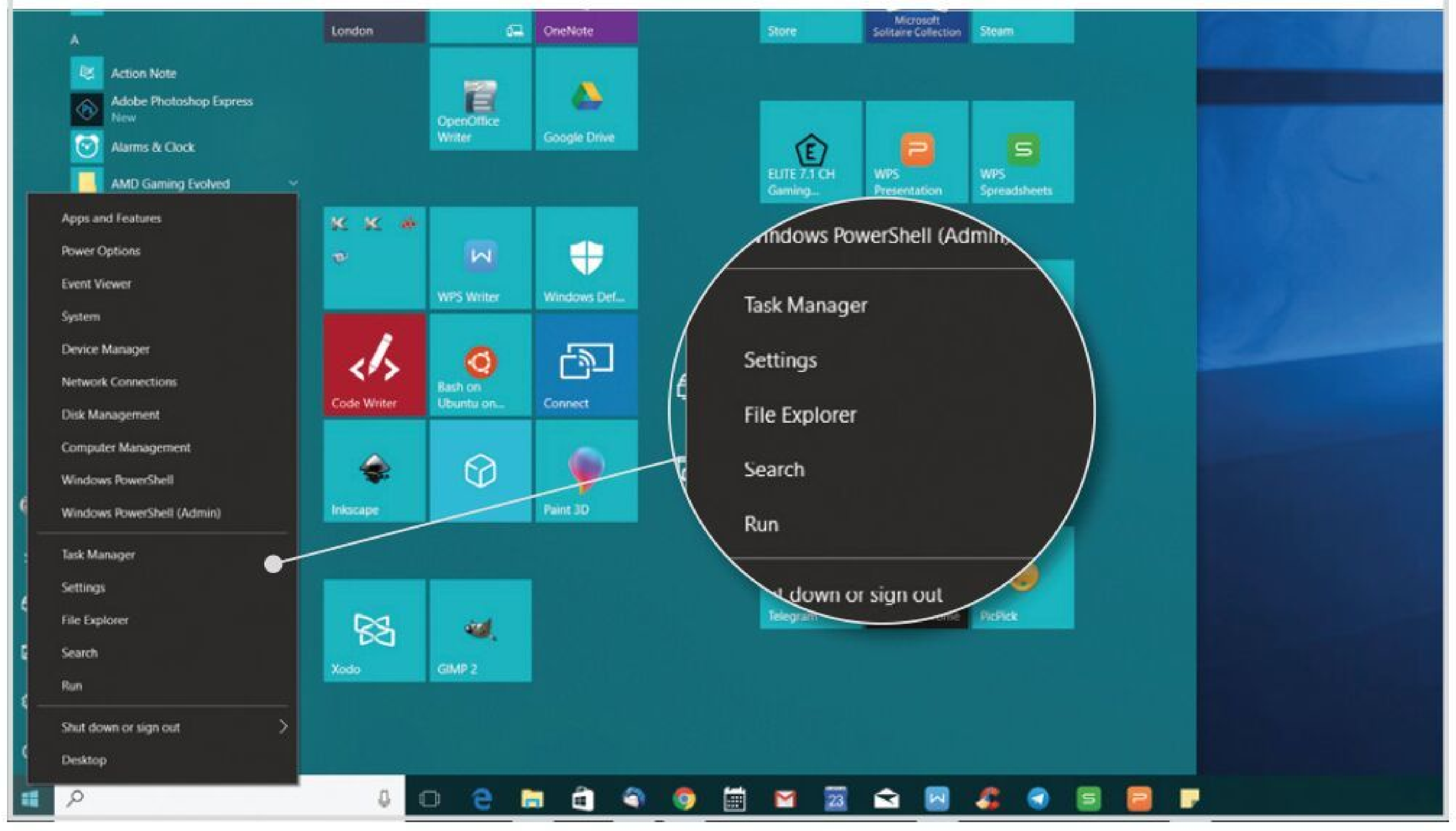
Manage Disk Partitions in Windows 10

Disk partitioning is the creation of one or more separate regions on a PC hard disk (hard drive) and all modern drives need at least one partition to begin storing files. A partition could be the size of the whole drive or just a tiny part of it. There are several reasons why you might need to create a new partition on an existing hard drive and Windows 10 now allows you to do that relatively easily.

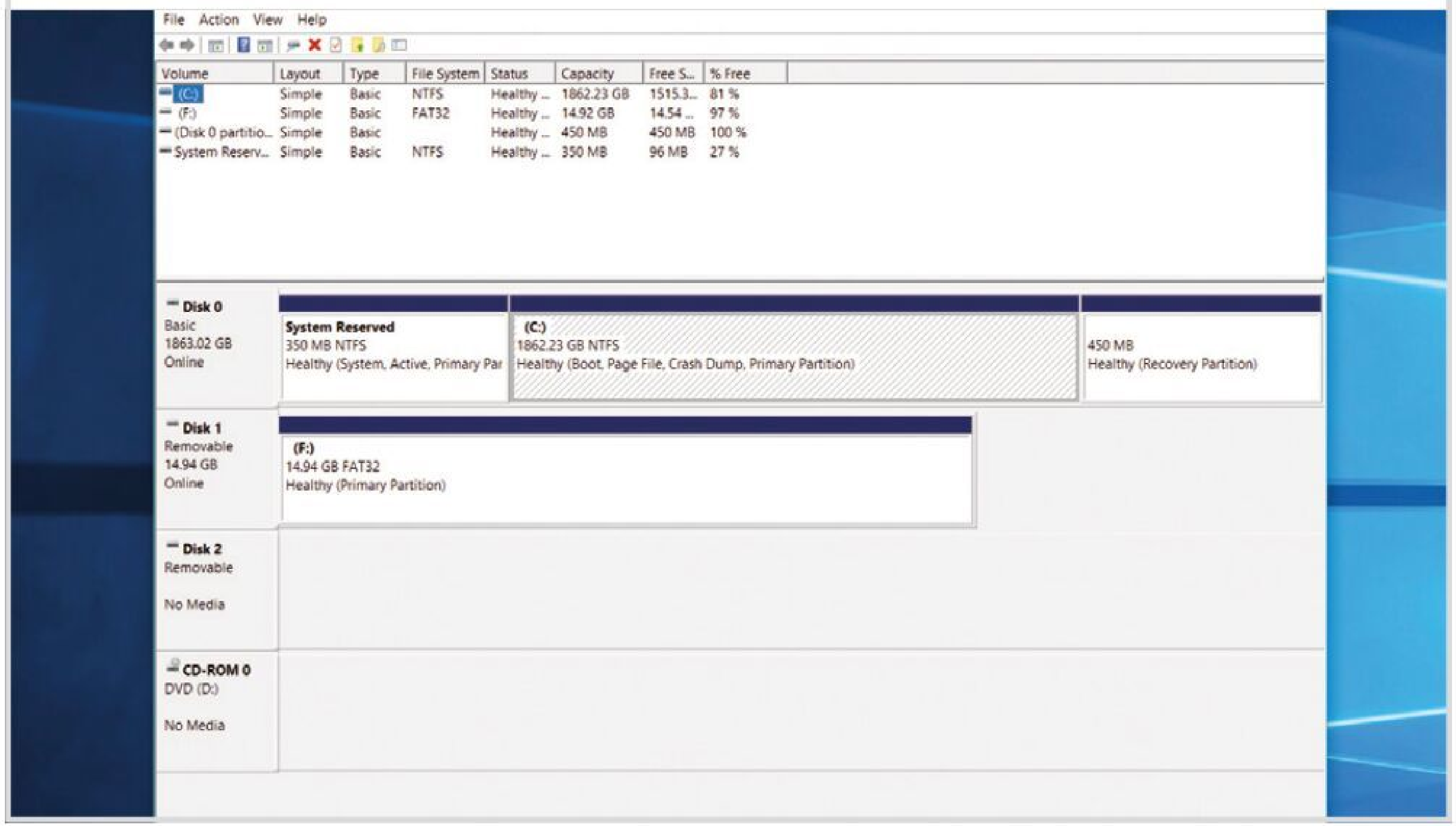
The Disk Management Tool

There are several free programs available for creating partitions but the Disk Management tool is just as good and built right in to Windows 10.

1 The first thing you need to do is find the Disk Management tool. The easiest way to open the tool is to use the hidden Start button menu. Right-click on the Start menu button and select Disk Management from the menu that appears. There are several system tools here, so it is a useful trick to know.


Apps and Features
Power Options
Event Viewer
System
Device Manager
Network Connections
Disk Management
Computer Management
Windows PowerShell
Windows PowerShell (Admin)
Task Manager
Settings
File Explorer
Search
Run
Shut down or sign out
Desktop

2 The Disk Management tool shows all of your internal and removable drives (even USB flash drives, etc.) along with details of the capacity and current amount of space being used. Depending how your hard drive was initially configured, you will see one or more partitions in place.


File Action View Help

Volume	Layout	Type	File System	Status	Capacity	Free S...	% Free
(C:)	Simple	Basic	NTFS	Healthy ...	1862.23 GB	1515.3...	81 %
(F:)	Simple	Basic	FAT32	Healthy ...	14.92 GB	14.54 ...	97 %
(Disk 0 partitio...	Simple	Basic		Healthy ...	450 MB	450 MB	100 %
System Reserv...	Simple	Basic	NTFS	Healthy ...	350 MB	96 MB	27 %

Disk 0
Basic
1863.02 GB
Online

System Reserved
350 MB NTFS
Healthy (System, Active, Primary Par

(C:)
1862.23 GB NTFS
Healthy (Boot, Page File, Crash Dump, Primary Partition)

450 MB
Healthy (Recovery Partition)

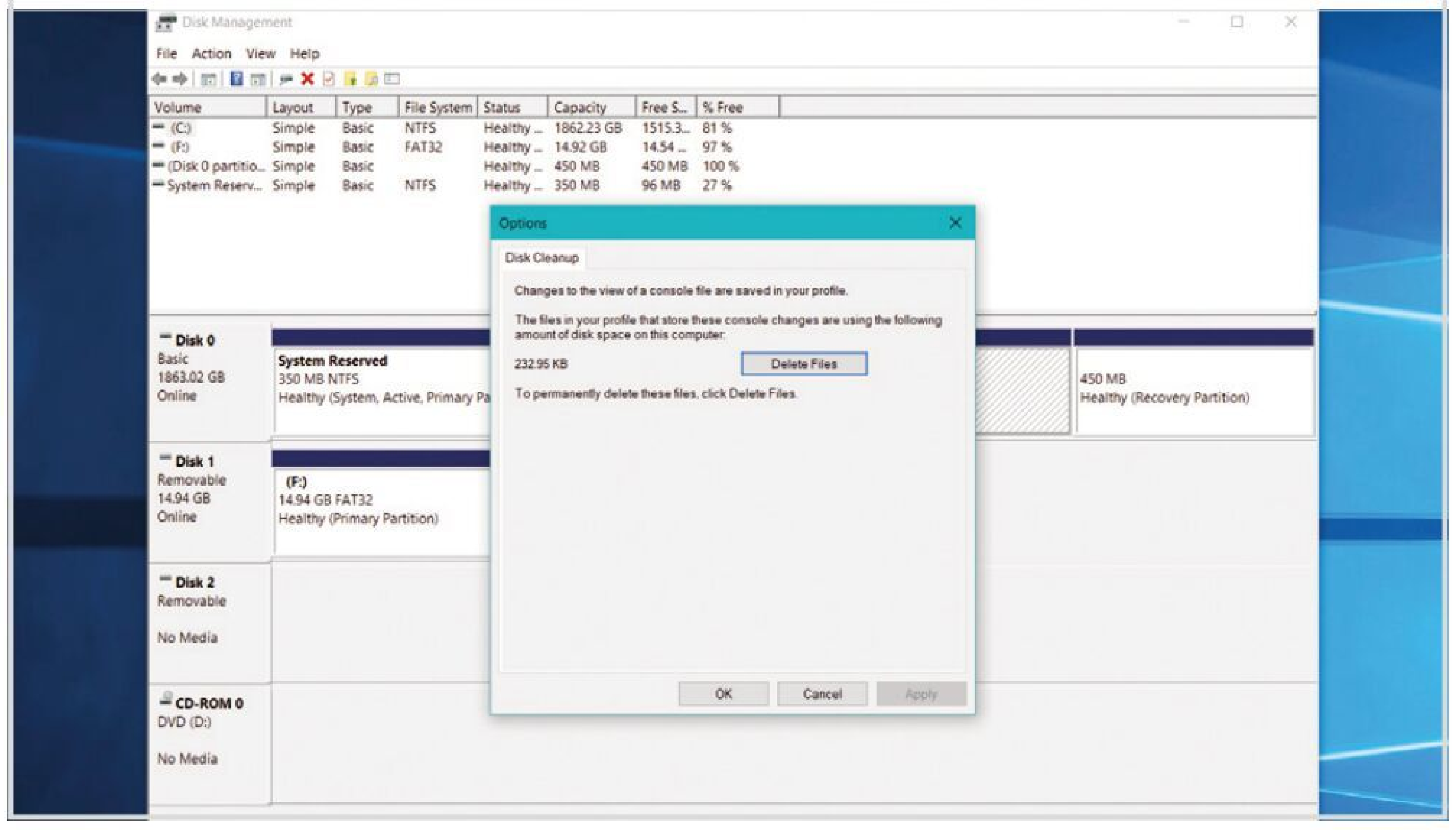
Disk 1
Removable
14.94 GB
Online

(F:)
14.94 GB FAT32
Healthy (Primary Partition)

Disk 2
Removable
No Media

CD-ROM 0
DVD (D:)
No Media

3 You can use the seemingly simple Disk Management tool to resize, create, delete and format partitions and volumes, as well as change their drive letters and all without downloading or paying for any other software. You can also simply use it to check the health of your disks.


Disk Management
File Action View Help
Options
Disk Cleanup
Delete Files
OK
Cancel
Apply

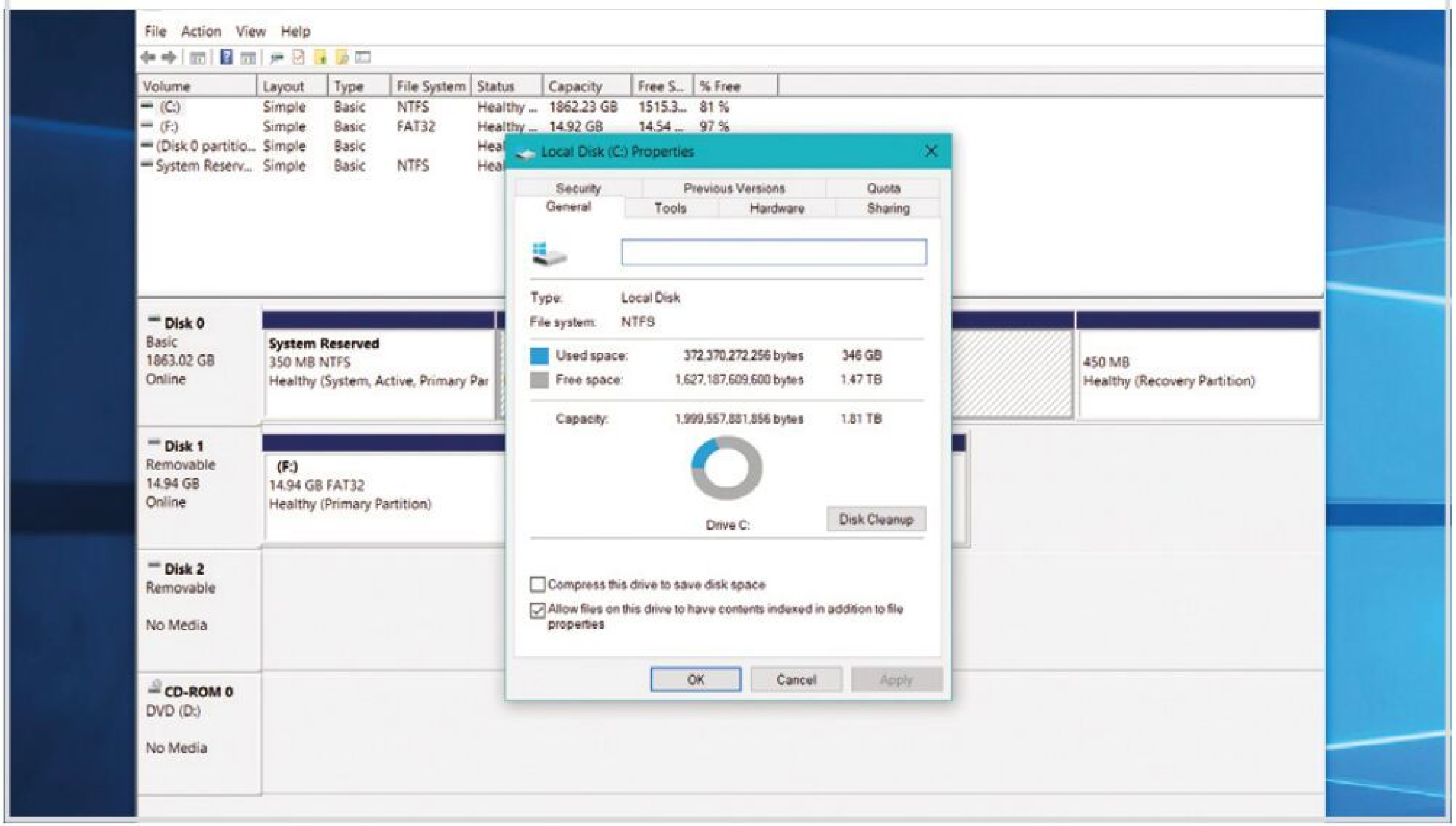
Changes to the view of a console file are saved in your profile.

The files in your profile that store these console changes are using the following amount of disk space on this computer.

232.95 KB

To permanently delete these files, click Delete Files.

4 The tool shows partitions and volumes, which are similar but different. A partition is space that's set aside on a disk separate from the other space on that disk. A volume is a partition that's been formatted with a file system. We will mainly be talking about volumes in this guide.


Local Disk (C:) Properties
Security
Previous Versions
Quota
General
Tools
Hardware
Sharing
Drive C:
Disk Cleanup
OK
Cancel
Apply

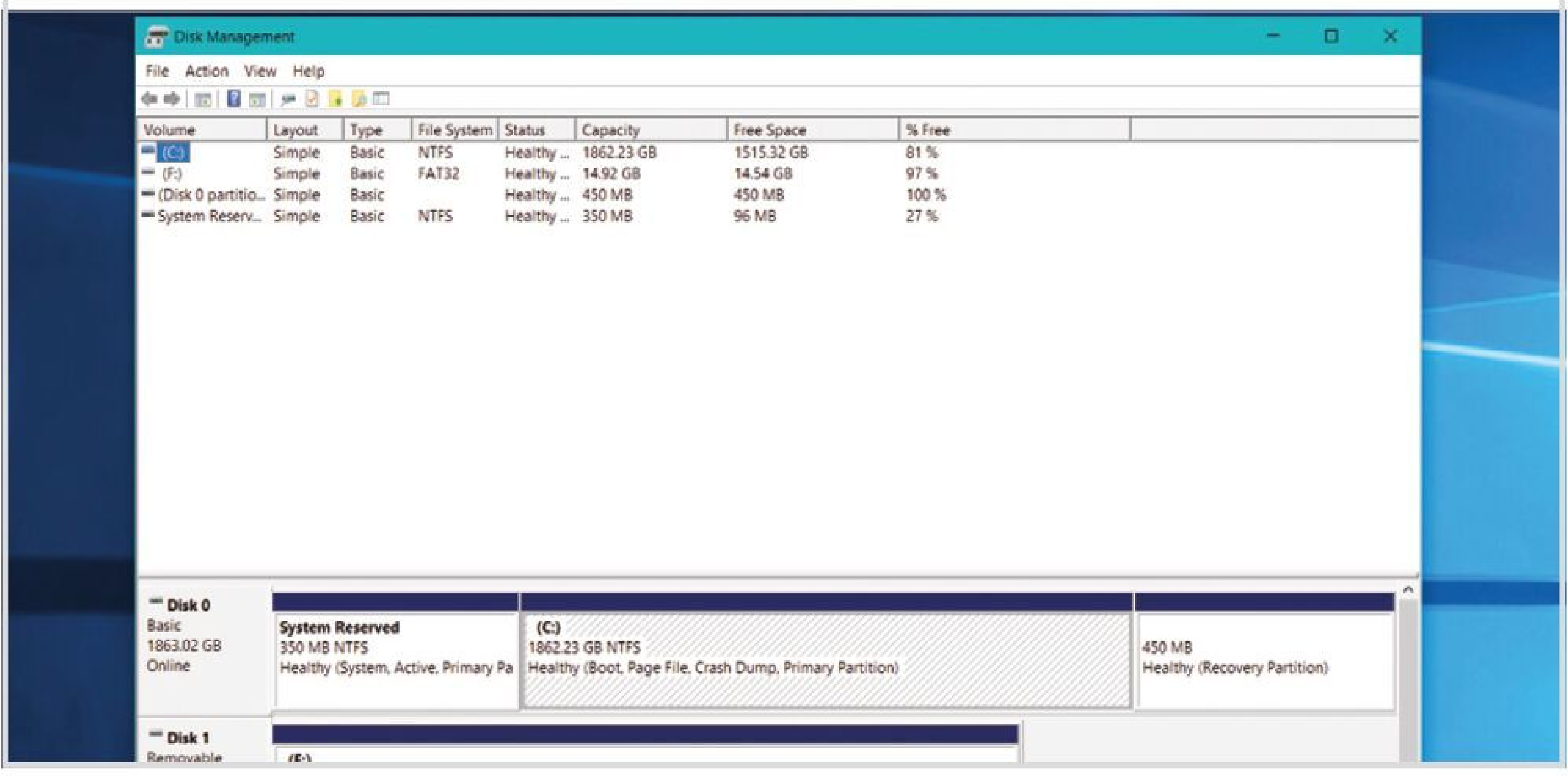
Type: Local Disk
File system: NTFS
Used space: 372,370,272,256 bytes 346 GB
Free space: 1,627,187,609,600 bytes 1.47 TB
Capacity: 1,999,557,881,856 bytes 1.81 TB

☐ Compress this drive to save disk space
☑ Allow files on this drive to have contents indexed in addition to file properties

Resizing a Volume

If your disk is set up as one big volume and you want to create an extra partition for a second volume, you will need to know how to resize the existing one.

1 You will need to make sure that there is enough free space on the drive before you can shrink a volume. For example, if you have a 500GB volume which has 200GB of data already stored on it, you will only be able to shrink it by a maximum of 300GB, the amount of remaining space.


Disk Management
File Action View Help

Volume	Layout	Type	File System	Status	Capacity	Free Space	% Free
(C:)	Simple	Basic	NTFS	Healthy ...	1862.23 GB	1515.32 GB	81 %
(F:)	Simple	Basic	FAT32	Healthy ...	14.92 GB	14.54 GB	97 %
(Disk 0 partitio...	Simple	Basic		Healthy ...	450 MB	450 MB	100 %
System Reserv...	Simple	Basic	NTFS	Healthy ...	350 MB	96 MB	27 %

Disk 0
Basic
1863.02 GB
Online

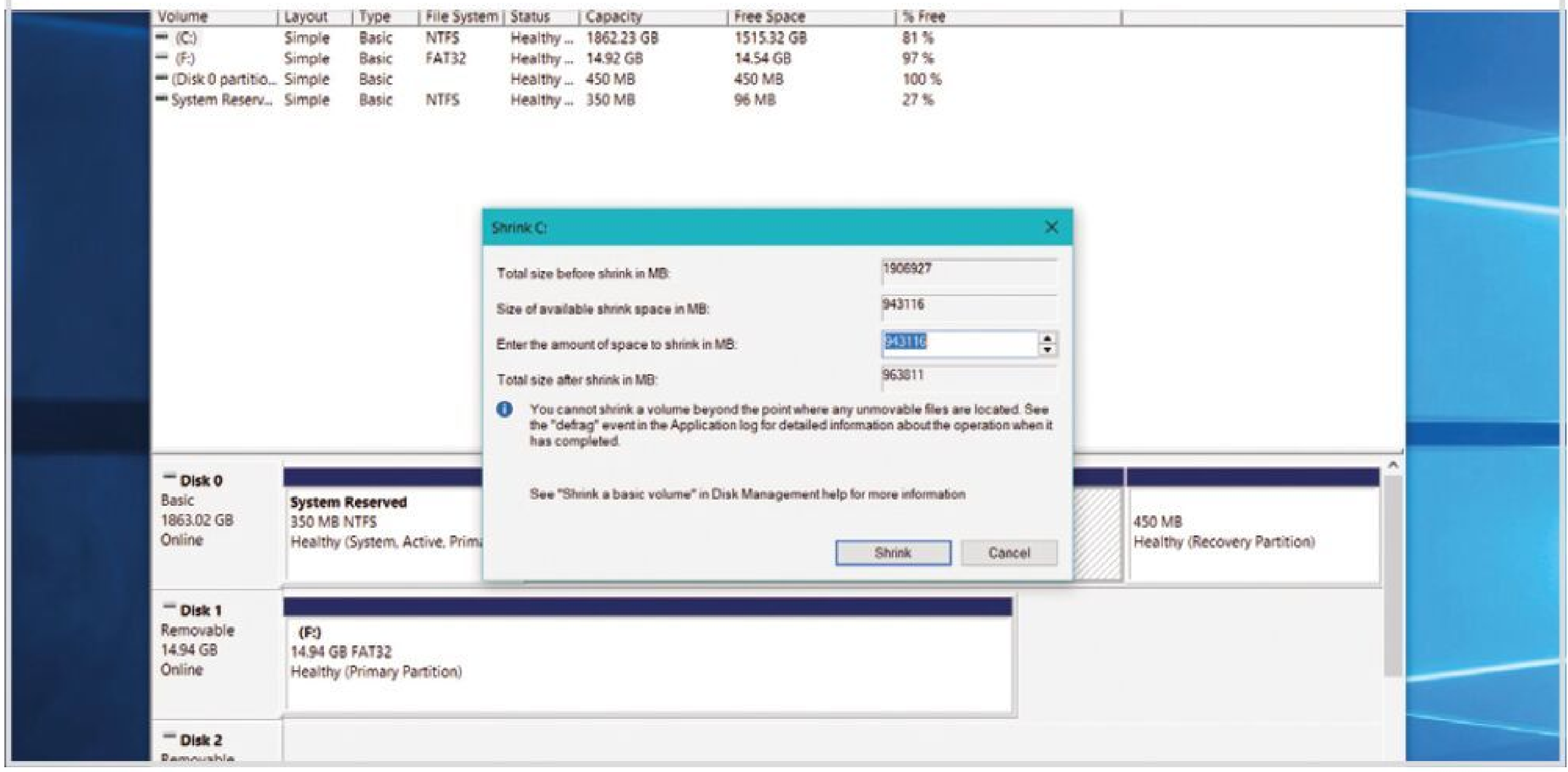
System Reserved
350 MB NTFS
Healthy (System, Active, Primary Pa

(C:)
1862.23 GB NTFS
Healthy (Boot, Page File, Crash Dump, Primary Partition)

450 MB
Healthy (Recovery Partition)

Disk 1
Removable

2 Right click on the volume you want to shrink in either the top panel or the bottom one and click 'Shrink volume' from the Action menu. You will then need to enter the amount you want to shrink the volume by in MB. So if you wanted to shrink it by approximately 500GB, you enter '500000MB'.

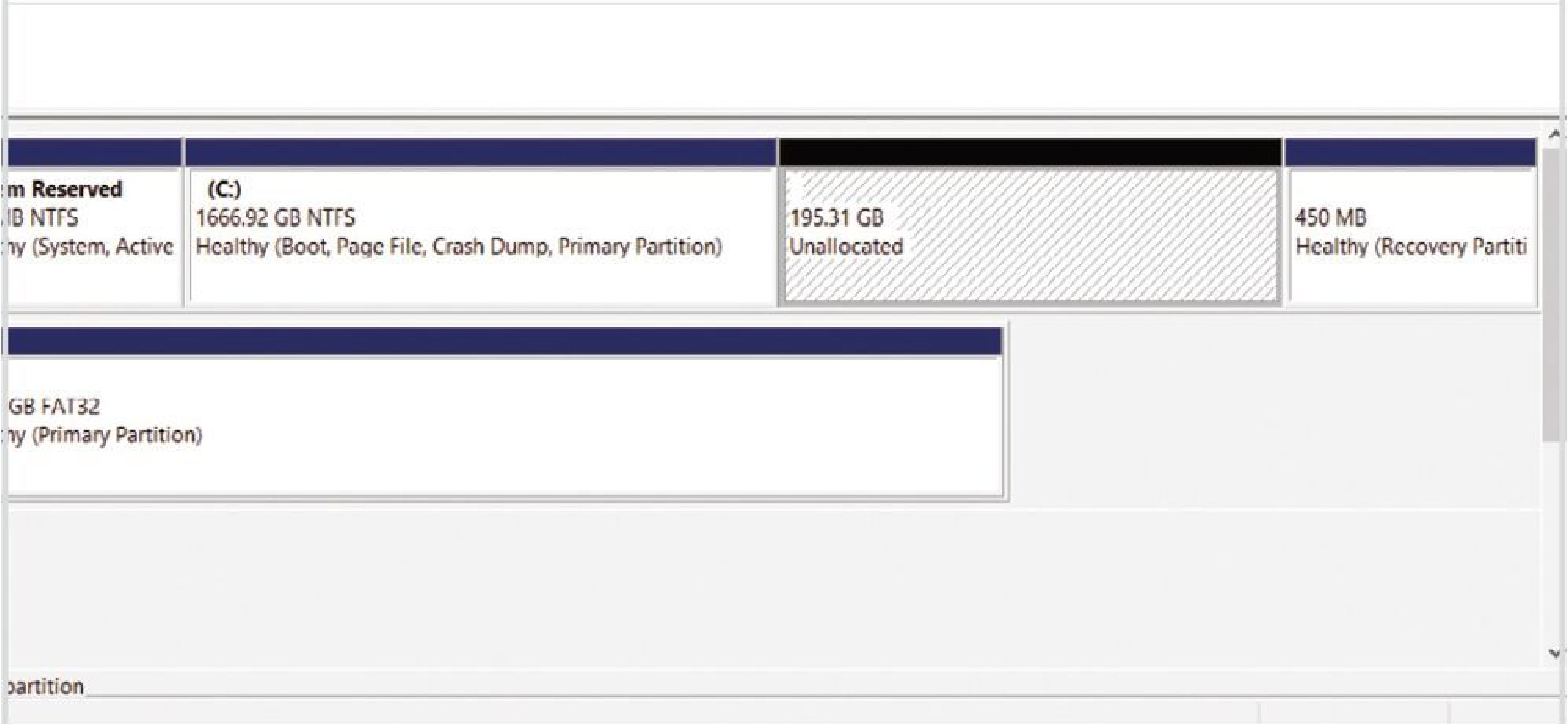

Shrink C:
Shrink
Cancel

Total size before shrink in MB: 1906927
Size of available shrink space in MB: 943116
Enter the amount of space to shrink in MB: 943116
Total size after shrink in MB: 963811

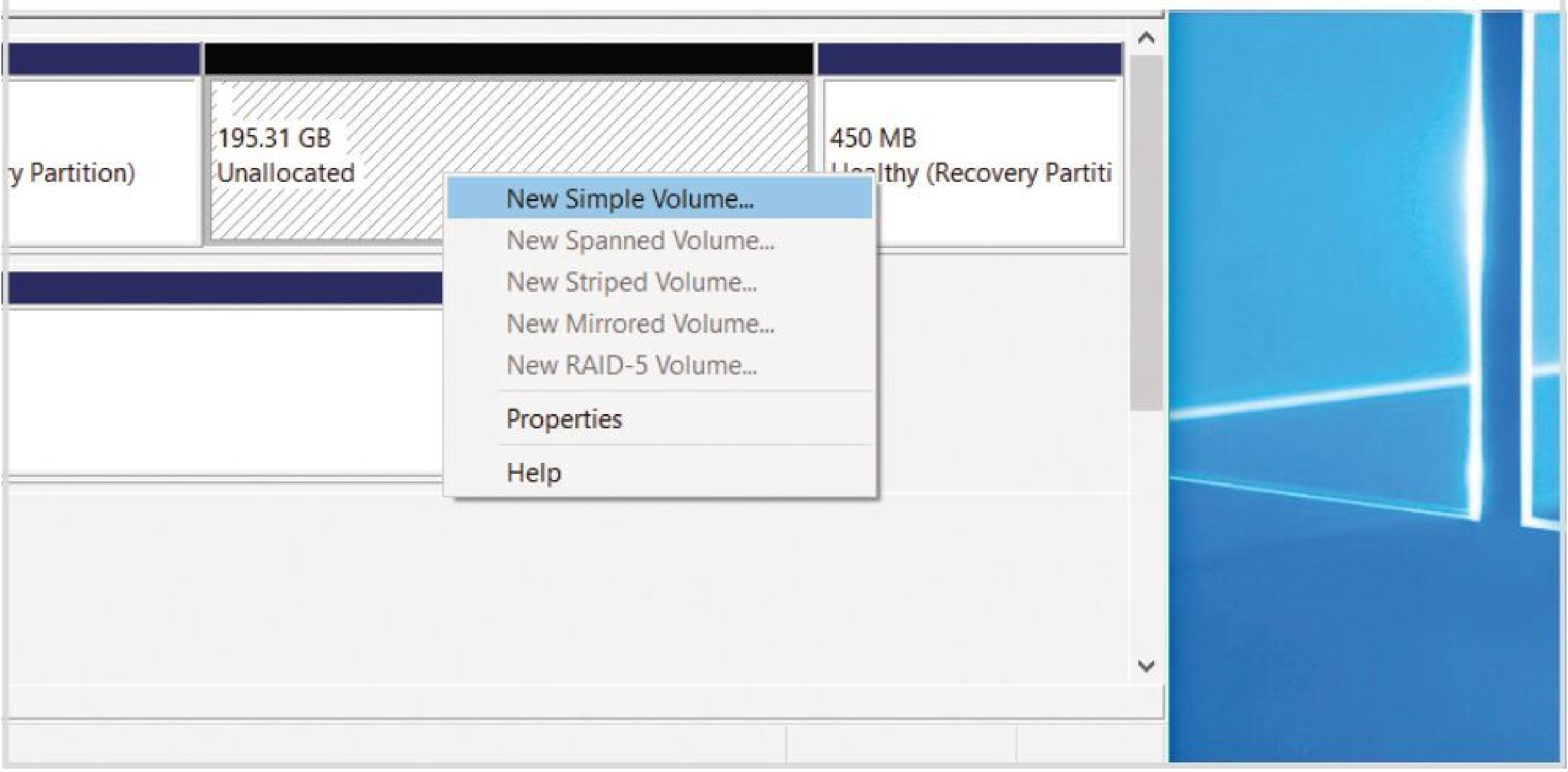
You cannot shrink a volume beyond the point where any unmovable files are located. See the "defrag" event in the Application log for detailed information about the operation when it has completed.

See "Shrink a basic volume" in Disk Management help for more information

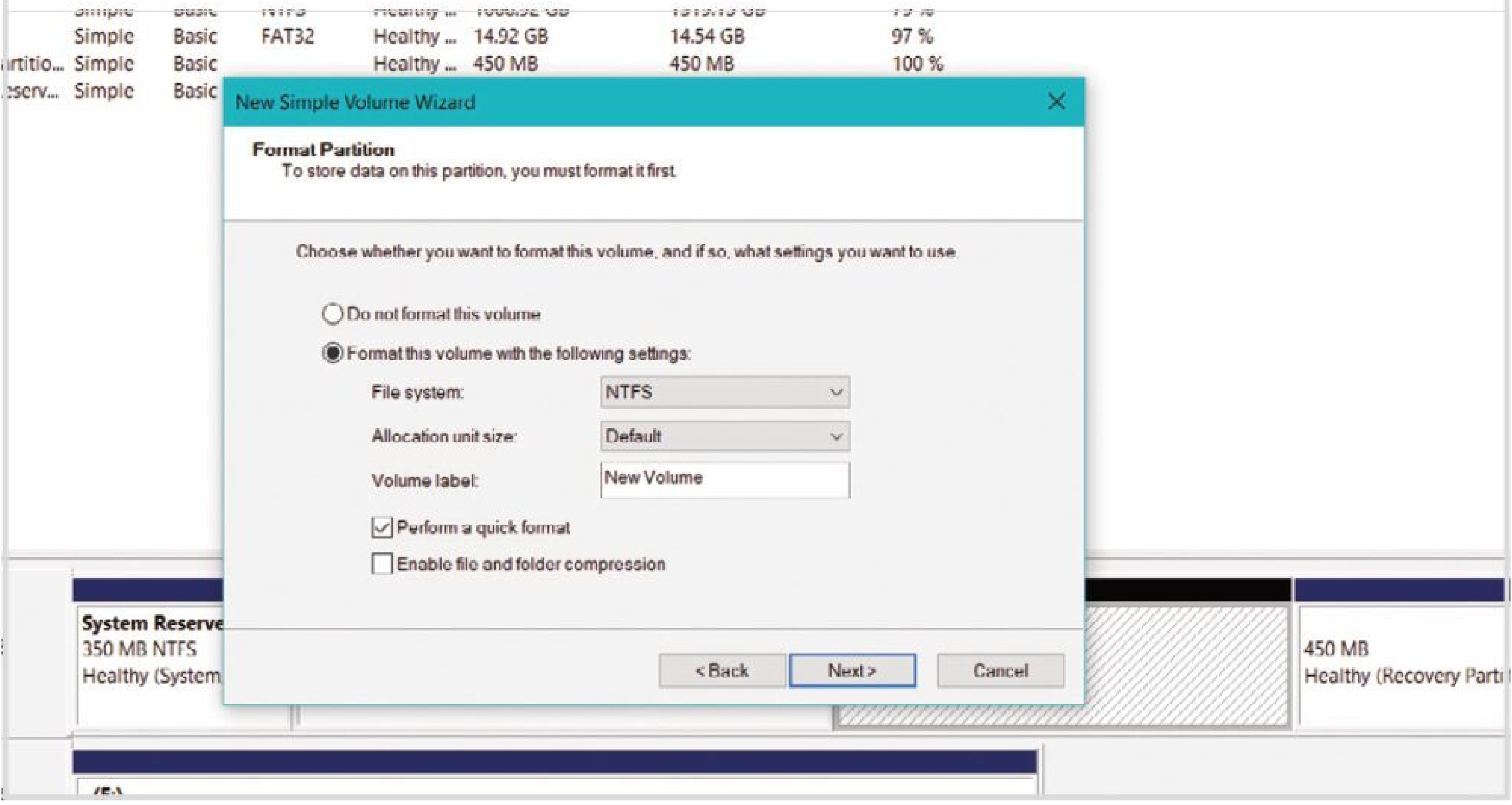
3 When you have clicked the Shrink button, you should see that the disk now contains the shrunken volume and some new, unallocated space. If desired, you could now extend the volume back into that space, by right-clicking and selecting 'Extend volume' from the Action menu.


m Reserved
IB NTFS
ny (System, Active
(C:)
1666.92 GB NTFS
Healthy (Boot, Page File, Crash Dump, Primary Partition)
195.31 GB
Unallocated
450 MB
Healthy (Recovery Partiti
GB FAT32
ny (Primary Partition)
partition

4 To create a new volume in that unallocated space, right-click on it and select New Simple Volume from the Action menu. In the New Simple Volume Wizard window, click Next to get started. Specify the volume size you want to create and then assign it a drive letter on the next screen.


y Partition)
195.31 GB
Unallocated
450 MB
Healthy (Recovery Partiti
New Simple Volume...
New Spanned Volume...
New Striped Volume...
New Mirrored Volume...
New RAID-5 Volume...
Properties
Help

5 You will then need to decide whether to format the partition. You will need to format it before you can begin using it but if you are planning on installing a second operating system, in order to dual-boot, you will need to let the new OS format the partition during its installation.

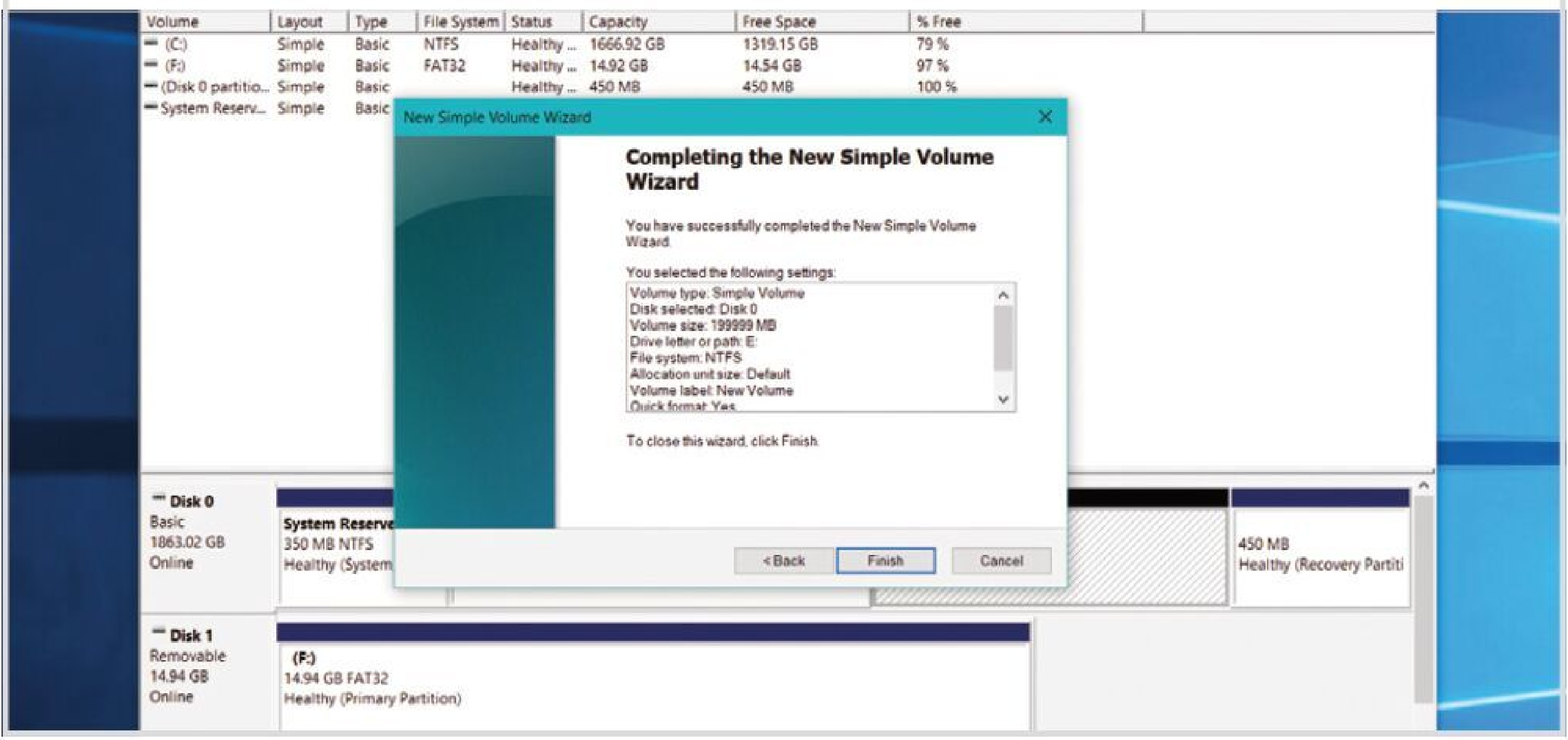

New Simple Volume Wizard
< Back
Next >
Cancel

Format Partition
To store data on this partition, you must format it first.

Choose whether you want to format this volume, and if so, what settings you want to use.

○ Do not format this volume
● Format this volume with the following settings:
File system: NTFS
Allocation unit size: Default
Volume label: New Volume
☑ Perform a quick format
☐ Enable file and folder compression

6 Otherwise, go ahead and format the disk; pick a file system to use and assign a volume label. Click Next when you're ready and then click the Finish button; Windows will now start to create the volume and, if you chose to, format it. When finished, you will see your new volume listed.


New Simple Volume Wizard
< Back
Finish
Cancel

Volume	Layout	Type	File System	Status	Capacity	Free Space	% Free
(C:)	Simple	Basic	NTFS	Healthy ...	1666.92 GB	1319.15 GB	79 %
(F:)	Simple	Basic	FAT32	Healthy ...	14.92 GB	14.54 GB	97 %
(Disk 0 partitio...	Simple	Basic		Healthy ...	450 MB	450 MB	100 %
System Reserv...	Simple	Basic					

Completing the New Simple Volume Wizard

You have successfully completed the New Simple Volume Wizard.

You selected the following settings:
Volume type: Simple Volume
Disk selected: Disk 0
Volume size: 199999 MB
Drive letter or path: E:
File system: NTFS
Allocation unit size: Default
Volume label: New Volume
Quick format: Yes

To close this wizard, click Finish.

Disable Adverts and Annoyances

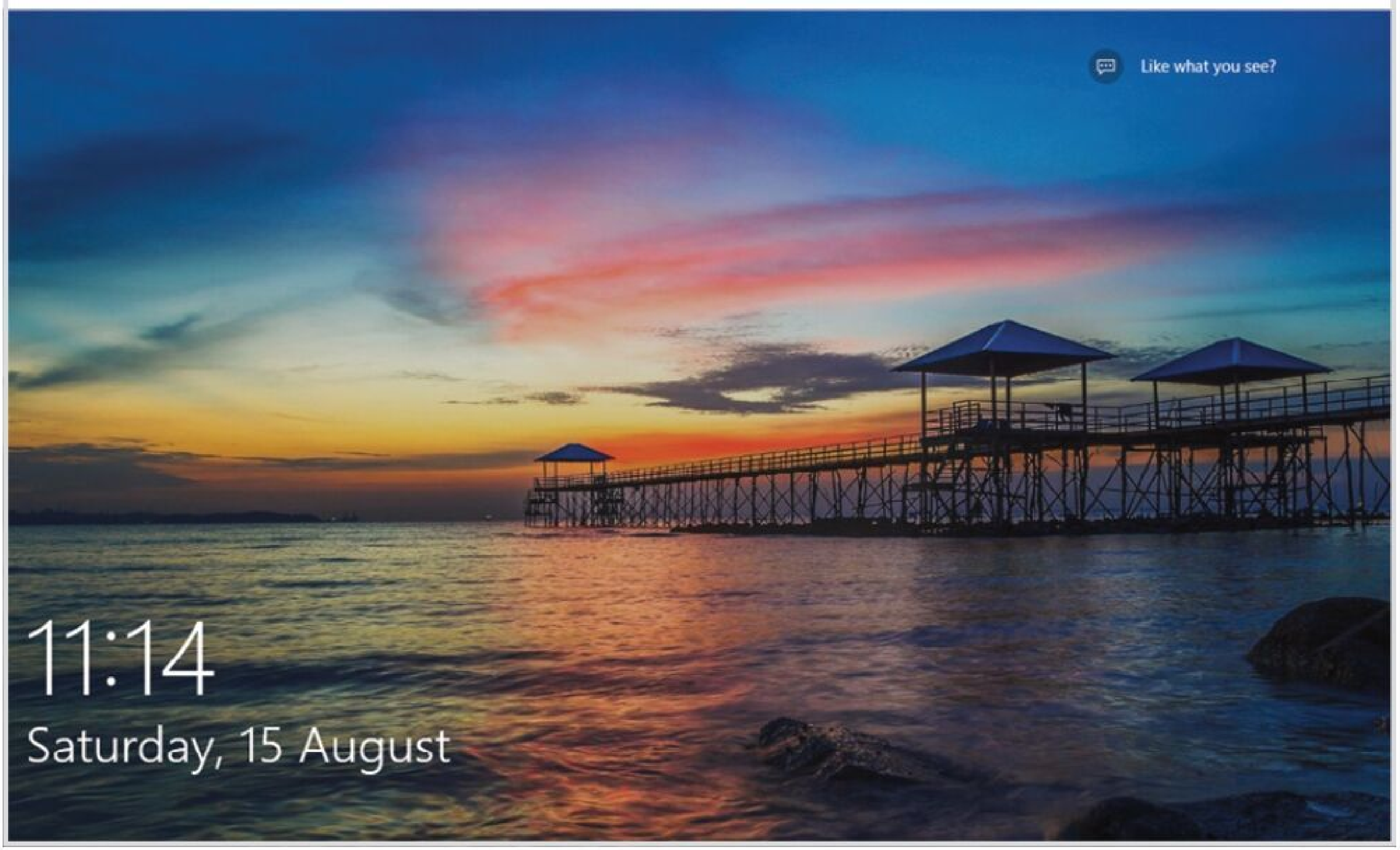
Windows 10 has a lot of built-in advertising. This is part of the business model and is to be expected in some respects. That doesn't stop them being really annoying at times. Thankfully, if you know what you are doing, you can disable most of the advertising that Windows tries to slip in front of you.

Disabling Annoyances

Windows 10 is pretty good at putting adverts in front of you and certainly, some of the adverts may not even seem like adverts until you start to take notice of them.

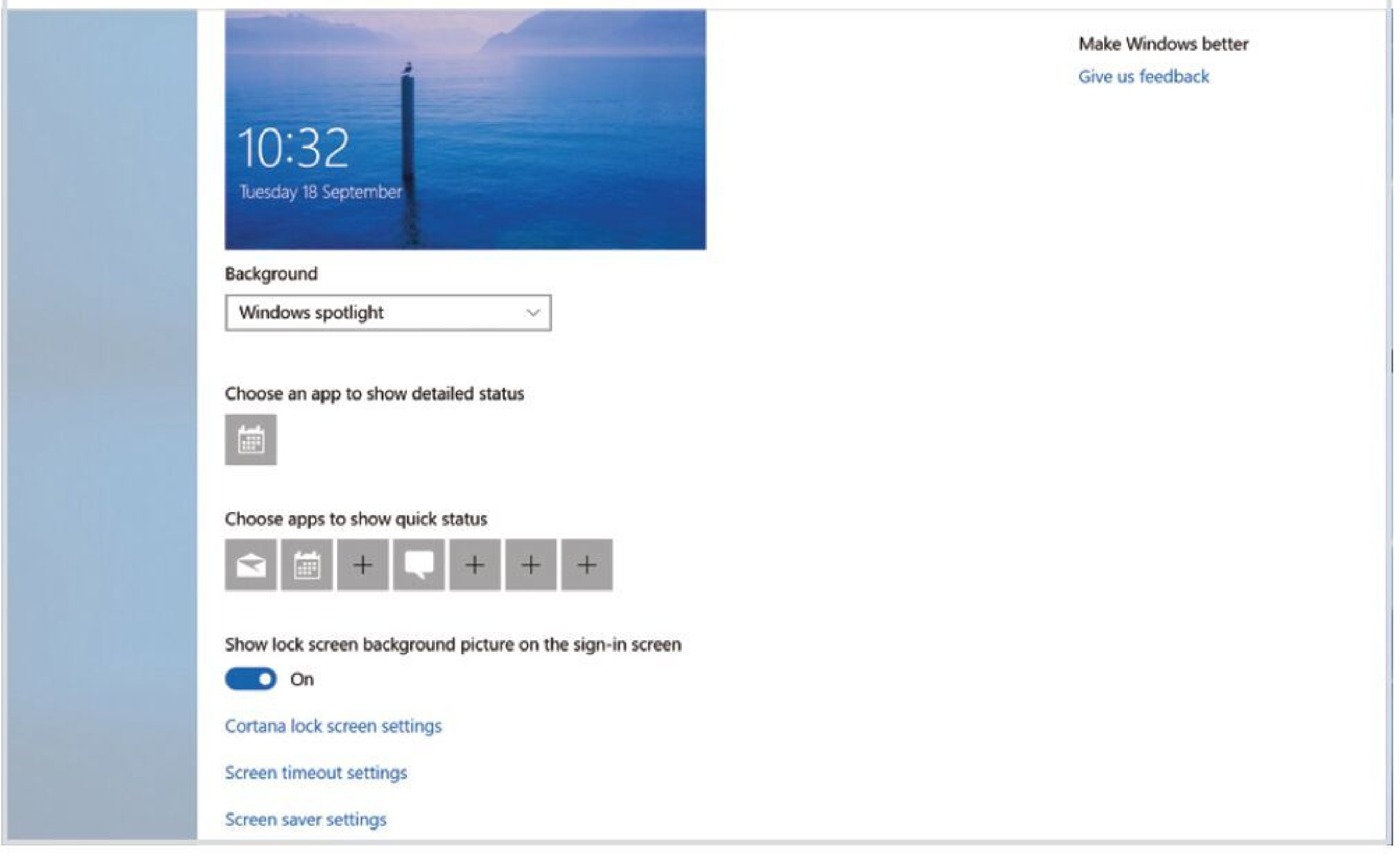
Lock Screen Ads

Shortly after you enable Windows Spotlight for the lock screen, you will soon start to see the occasional advert for games like Tomb Raider appear among the pretty images. To disable the adverts, simply switch to the Picture or Slideshow options in the Personalisation settings.



Get Rid of Fun Facts

Although Cortana will occasionally provide you with an interesting fact when you click the search bar; often they are interspersed with adverts too. You can disable 'Get fun facts, tips, and more from Windows and Cortana on your lock screen' in Settings > Personalisation > Lock Screen.



Make Windows better

Give us feedback

Background

Windows spotlight

Choose an app to show detailed status

Choose apps to show quick status

Show lock screen background picture on the sign-in screen

On

Cortana lock screen settings

Screen timeout settings

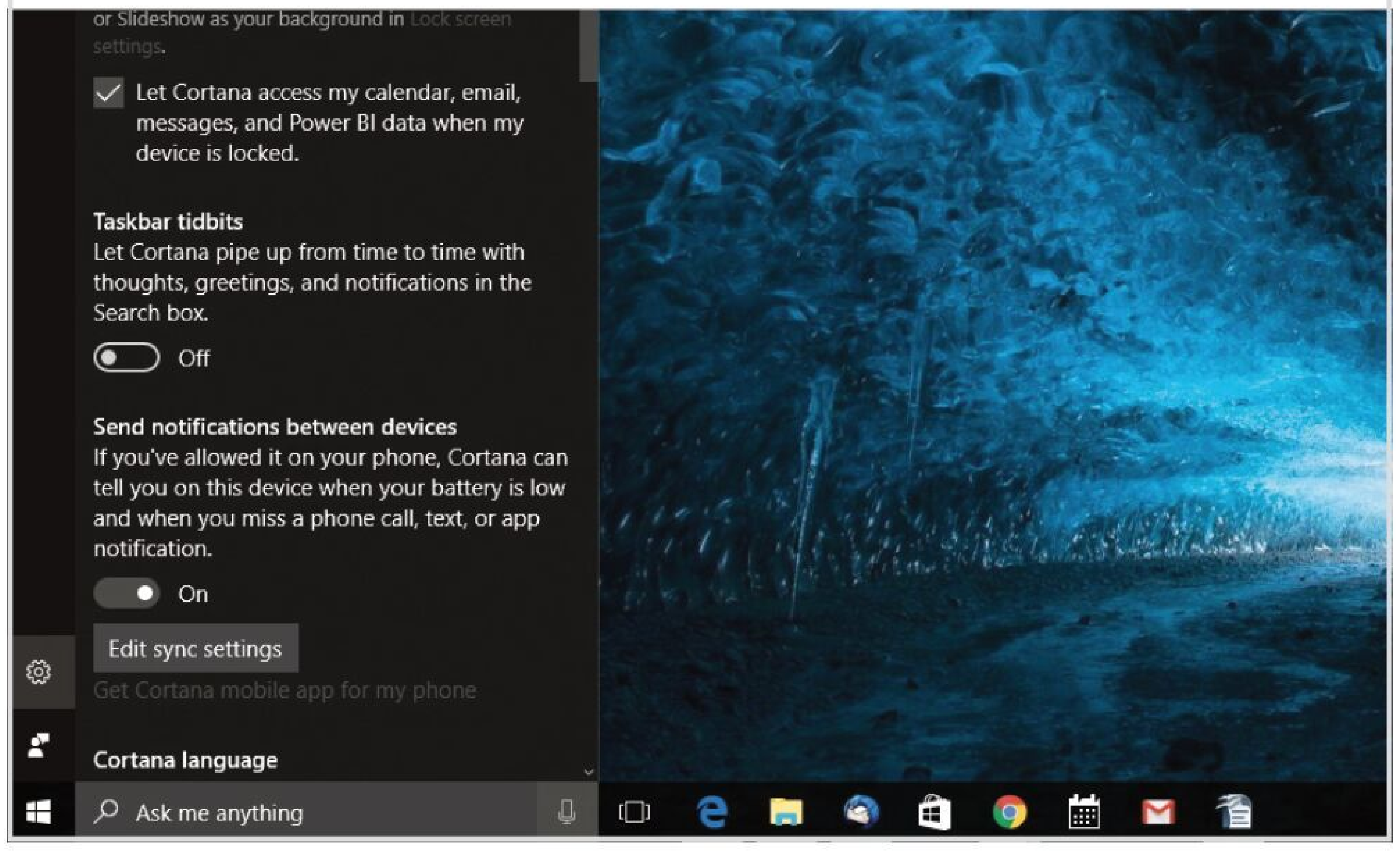
Screen saver settings

Suggested Apps

Windows 10 will occasionally show suggested apps in your Start menu. Sometimes these are free apps but often they are paid apps and games. Essentially, these are adverts. Head to Settings > Personalisation > Start and set the 'Occasionally show suggestions in Start' setting to Off.

Calm Cortana Down

Following on from the previous tip, you can also stop Cortana from doing that annoying thing when it bounces around in the taskbar to get your attention. If you don't want Cortana nagging you, click the Cortana search bar, click Settings, scroll down and disable the 'taskbar Tidbits' option.



or Slideshow as your background in Lock screen settings.

☑ Let Cortana access my calendar, email, messages, and Power BI data when my device is locked.

Taskbar tidbits

Let Cortana pipe up from time to time with thoughts, greetings, and notifications in the Search box.

Off

Send notifications between devices

If you've allowed it on your phone, Cortana can tell you on this device when your battery is low and when you miss a phone call, text, or app notification.

On

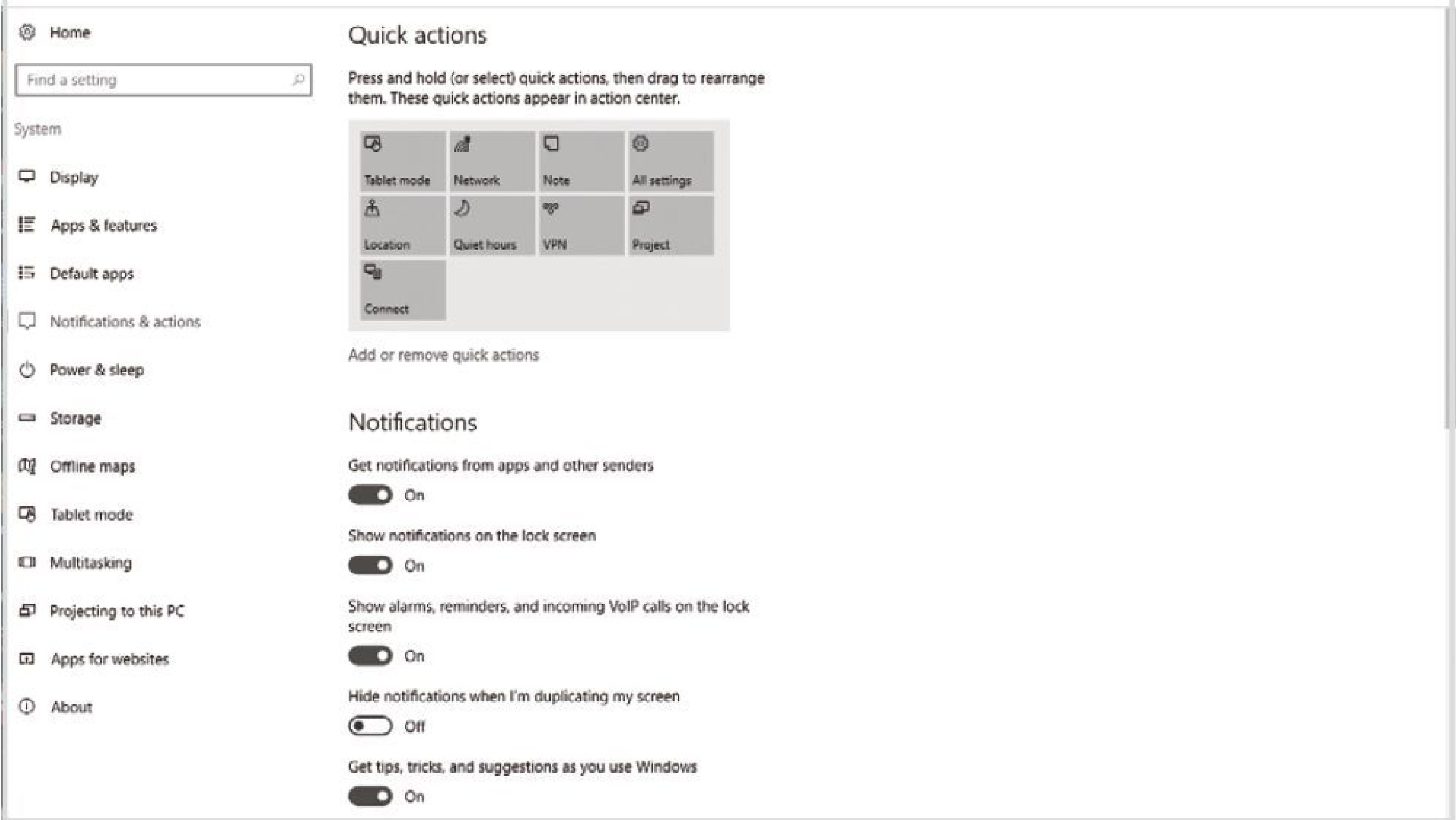
Edit sync settings

Get Cortana mobile app for my phone

Cortana language

Microsoft Tips

Okay, so this might be classed as borderline as far as it being advertising but if you are fed up of being advised to 'Use Edge to save battery life', head to Settings > System > Notifications & Actions and disable the 'Get tips, tricks and suggestions as you use Windows' option.


Quick actions

Press and hold (or select) quick actions, then drag to rearrange them. These quick actions appear in action center.

Notifications

Get notifications from apps and other senders: On

Show notifications on the lock screen: On

Show alarms, reminders, and incoming VoIP calls on the lock screen: On

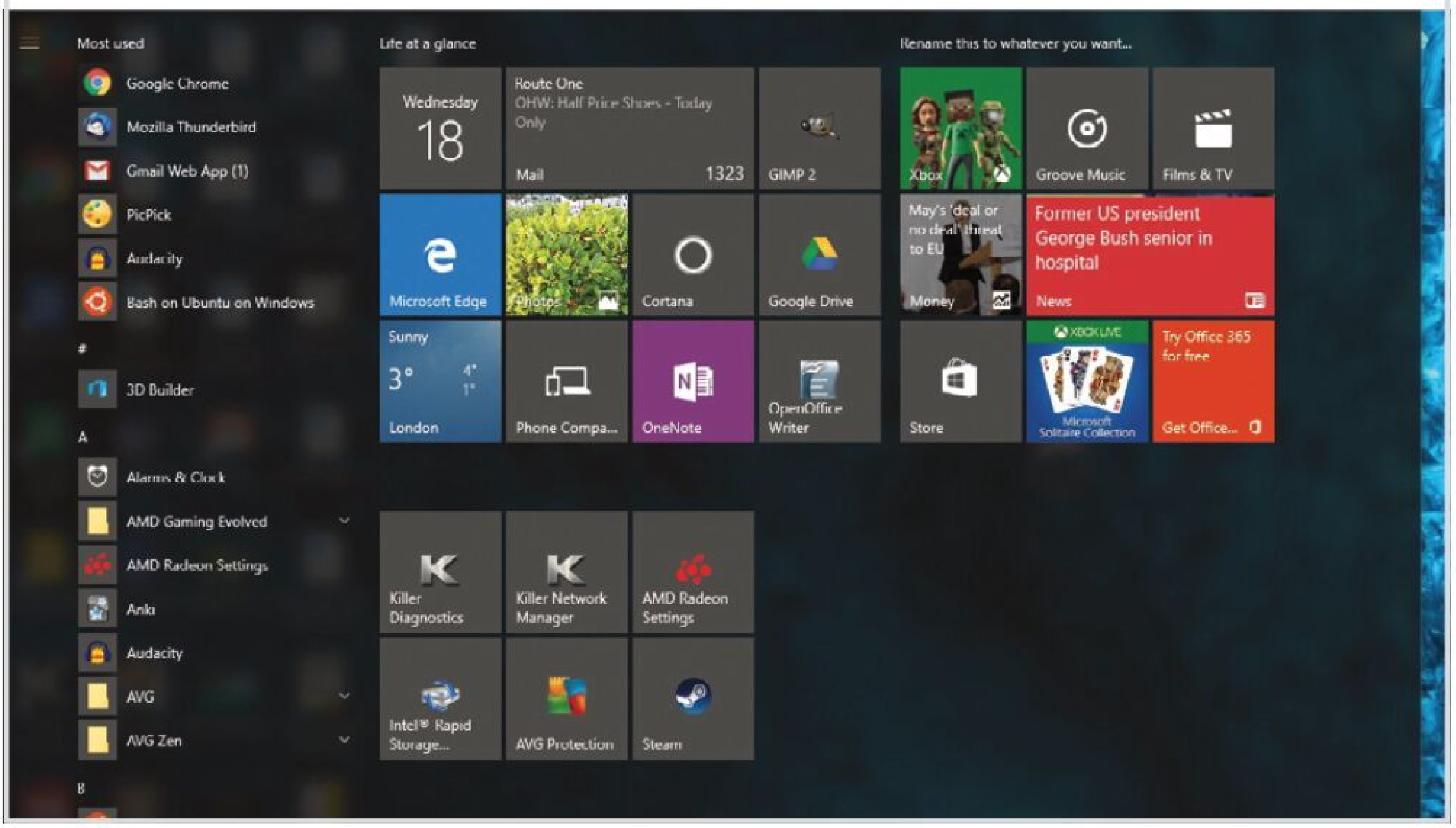
Hide notifications when I'm duplicating my screen: Off

Get tips, tricks, and suggestions as you use Windows: On

Home
Find a setting
System
Display
Apps & features
Default apps
Notifications & actions
Power & sleep
Storage
Offline maps
Tablet mode
Multitasking
Projecting to this PC
Apps for websites
About
Tablet mode
Network
Note
All settings
Location
Quiet hours
VPN
Project
Connect
Add or remove quick actions

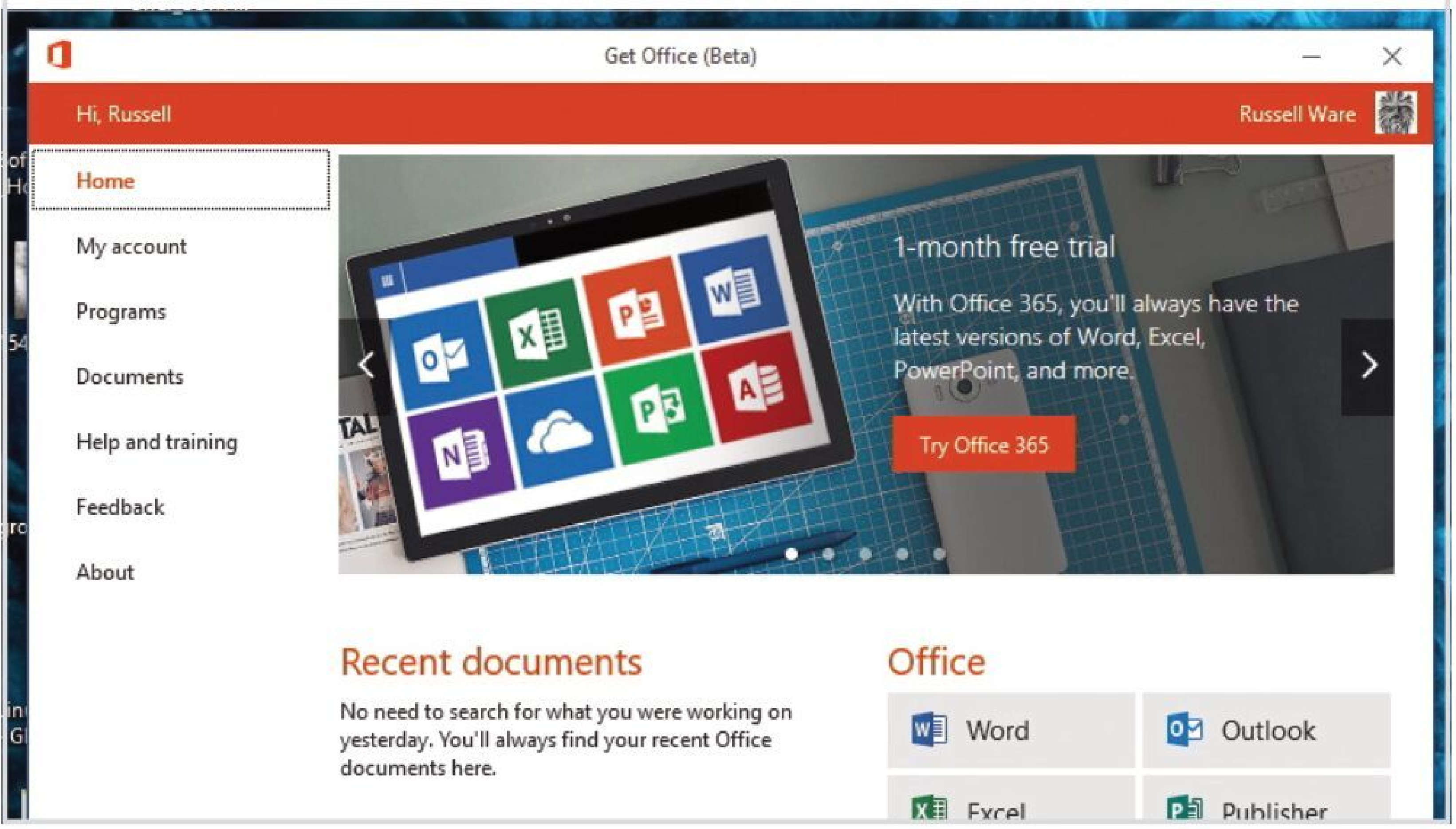
Disable Live Tiles

While you can remove the apps that are installed as part of the Microsoft Consumer Experience program, Windows 10 also includes a few apps you can't uninstall but will use the Live Tiles to advertise. To disable live tiles that annoy you, right-click a tile and select More > Turn live tile off.


Most used
Google Chrome
Mozilla Thunderbird
Gmail Web App (1)
PicPick
Audacity
Bash on Ubuntu on Windows
3D Builder
Alarms & Clock
AMD Gaming Evolved
AMD Radeon Settings
Anki
Audacity
AVG
AVG Zen
Life at a glance
Wednesday 18
Mail
1323
GIMP 2
Microsoft Edge
Cortana
Google Drive
London
Phone Compa...
OneNote
OpenOffice Writer
Killer Diagnostics
Killer Network Manager
AMD Radeon Settings
Intel® Rapid Storage...
AVG Protection
Steam
Rename this to whatever you want...
Xbox
Groove Music
Films & TV
Money
Former US president George Bush senior in hospital
News
Store
Microsoft Solitaire Collection
Try Office 365 for free
Get Office...

Get Office Notifications

Windows 10 includes a 'Get Office' app that sits there, suggesting you download the software for a free trial period. Head to Settings > System > Notifications & Actions, scroll down and turn it off. You could also find the Get Office app in your Start menu, right-click it, and select 'Uninstall'.


1-month free trial

With Office 365, you'll always have the latest versions of Word, Excel, PowerPoint, and more.

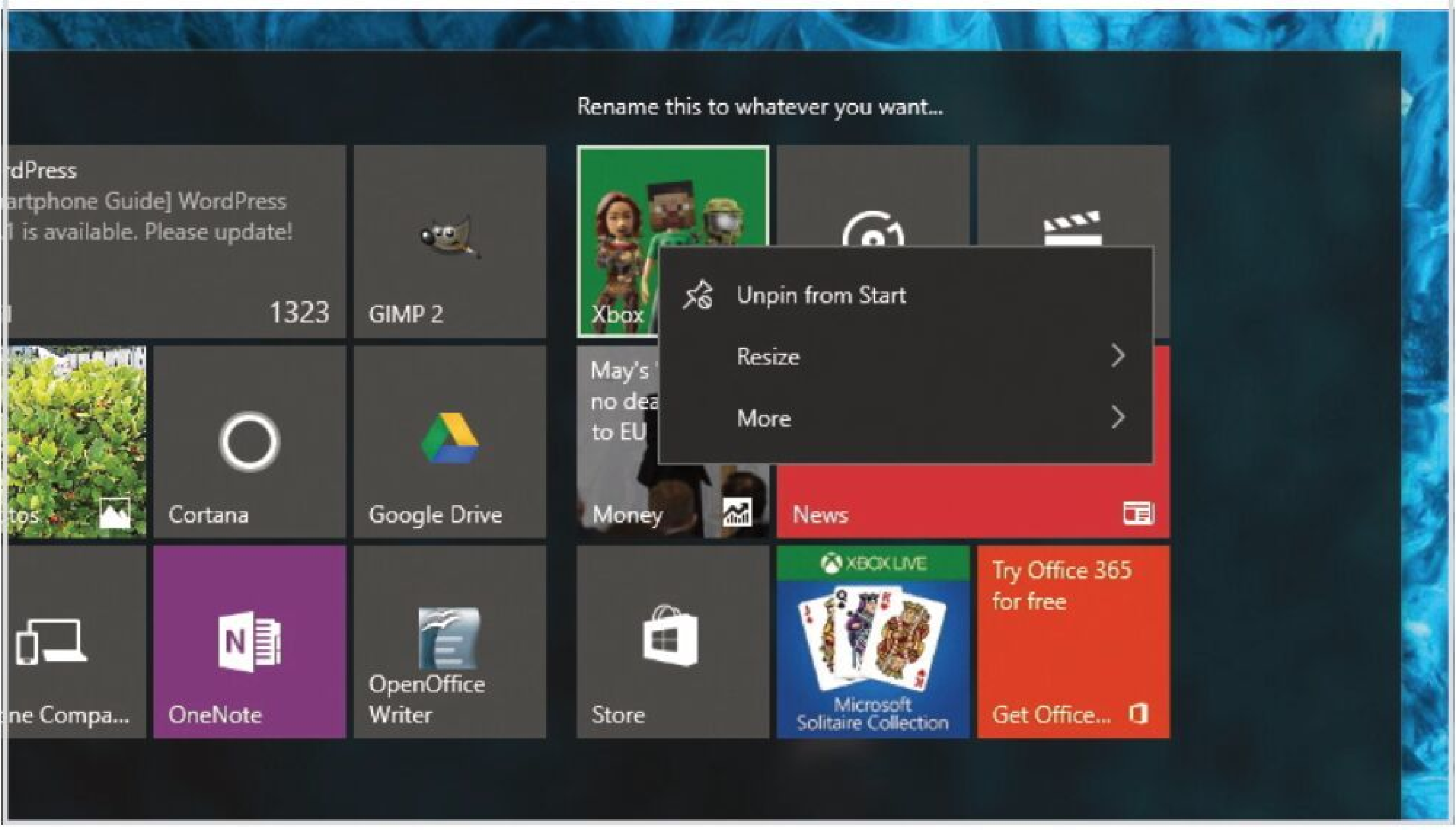
Recent documents

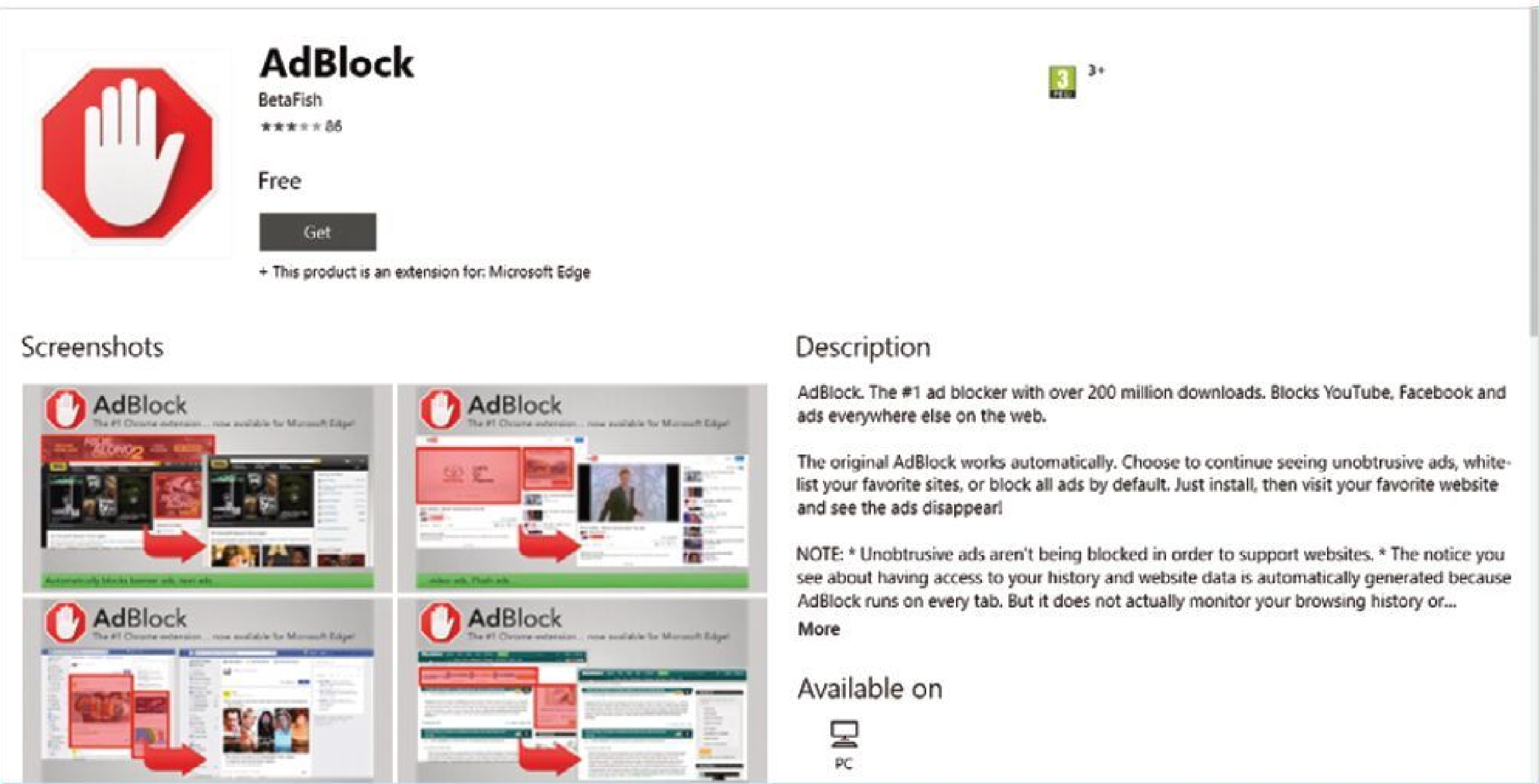
No need to search for what you were working on yesterday. You'll always find your recent Office documents here.

Get Office (Beta)
Hi, Russell
Russell Ware
Home
My account
Programs
Documents
Help and training
Feedback
About
Try Office 365
Office
Word
Outlook
Excel
Publisher

Unpinning Windows Apps

Rather than turning live tiles off, you can simply unpin the tile from the Start menu. Right-click a tile and select 'Unpin from Start' to get rid of the tile entirely. If you prefer a less cluttered Start menu, you can even choose to unpin all the tiles and only use the All Apps list to launch apps.


Rename this to whatever you want...
1323
GIMP 2
Xbox
Unpin from Start
Resize
More
Cortana
Google Drive
Money
News
OneNote
OpenOffice Writer
Store
Microsoft Solitaire Collection
Try Office 365 for free
Get Office...

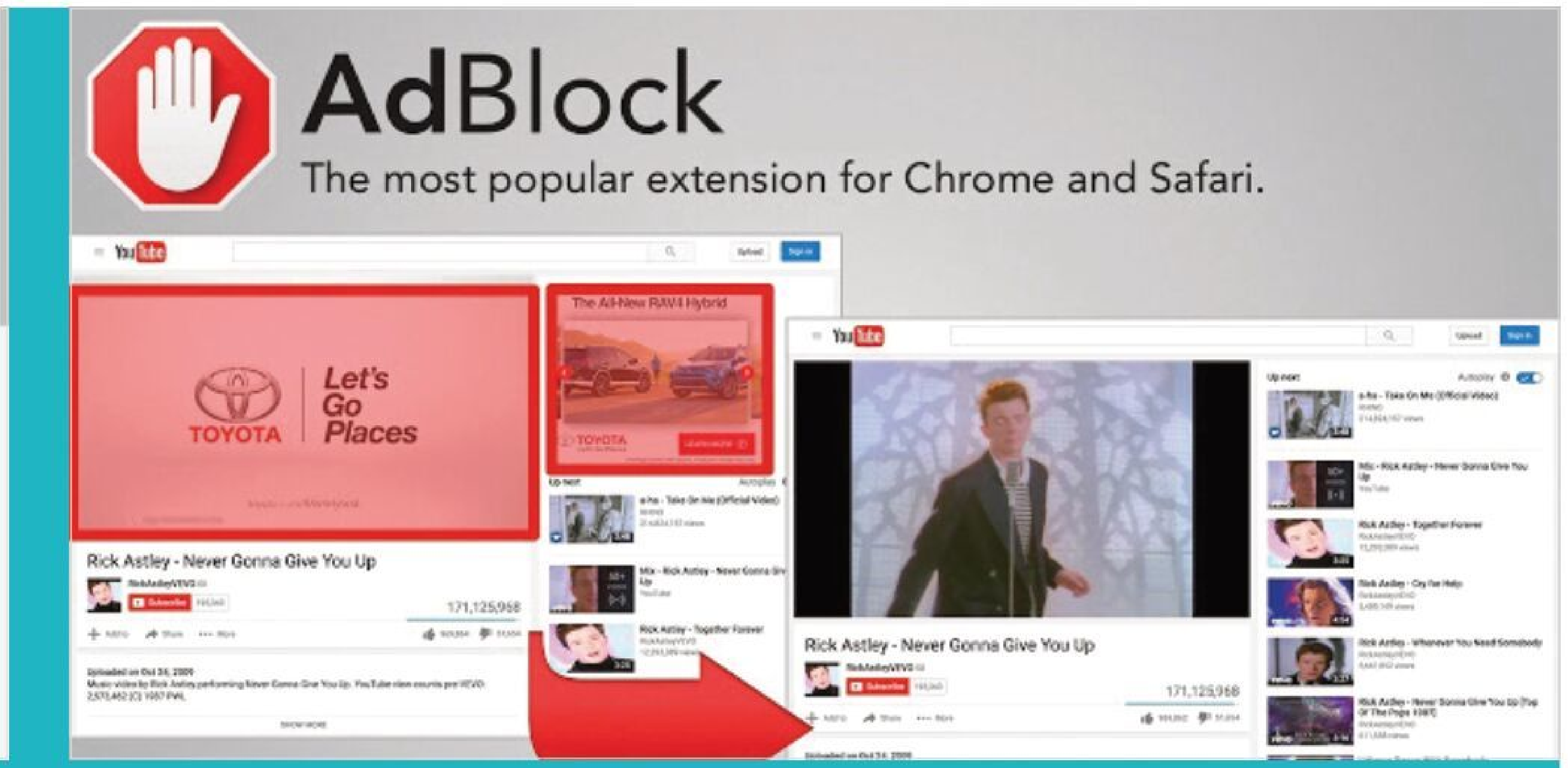

Description

AdBlock. The #1 ad blocker with over 200 million downloads. Blocks YouTube, Facebook and ads everywhere else on the web.

The original AdBlock works automatically. Choose to continue seeing unobtrusive ads, white-list your favorite sites, or block all ads by default. Just install, then visit your favorite website and see the ads disappear!

NOTE: * Unobtrusive ads aren't being blocked in order to support websites. * The notice you see about having access to your history and website data is automatically generated because AdBlock runs on every tab. But it does not actually monitor your browsing history or...

AdBlock
BetaFish
86
Free
Get
+ This product is an extension for: Microsoft Edge
3+
Screenshots
More
Available on
PC


AdBlock
The most popular extension for Chrome and Safari.
TOYOTA
Let's Go Places
Rick Astley - Never Gonna Give You Up
171,125,968

AD BLOCKING SOFTWARE

The tips above will allow you to block many of the adverts Microsoft has added to the Windows 10 interface but what about the adverts you see on your favourite websites. Unfortunately, there isn't a Windows 10 setting to turn these off, but there is bit of software that can help.

AdBlock, with over 200 million downloads, blocks YouTube, Facebook ads and others in most places on the web. AdBlock works automatically but lets you choose to continue seeing unobtrusive ads, white-list your favourite sites or block all ads by default.

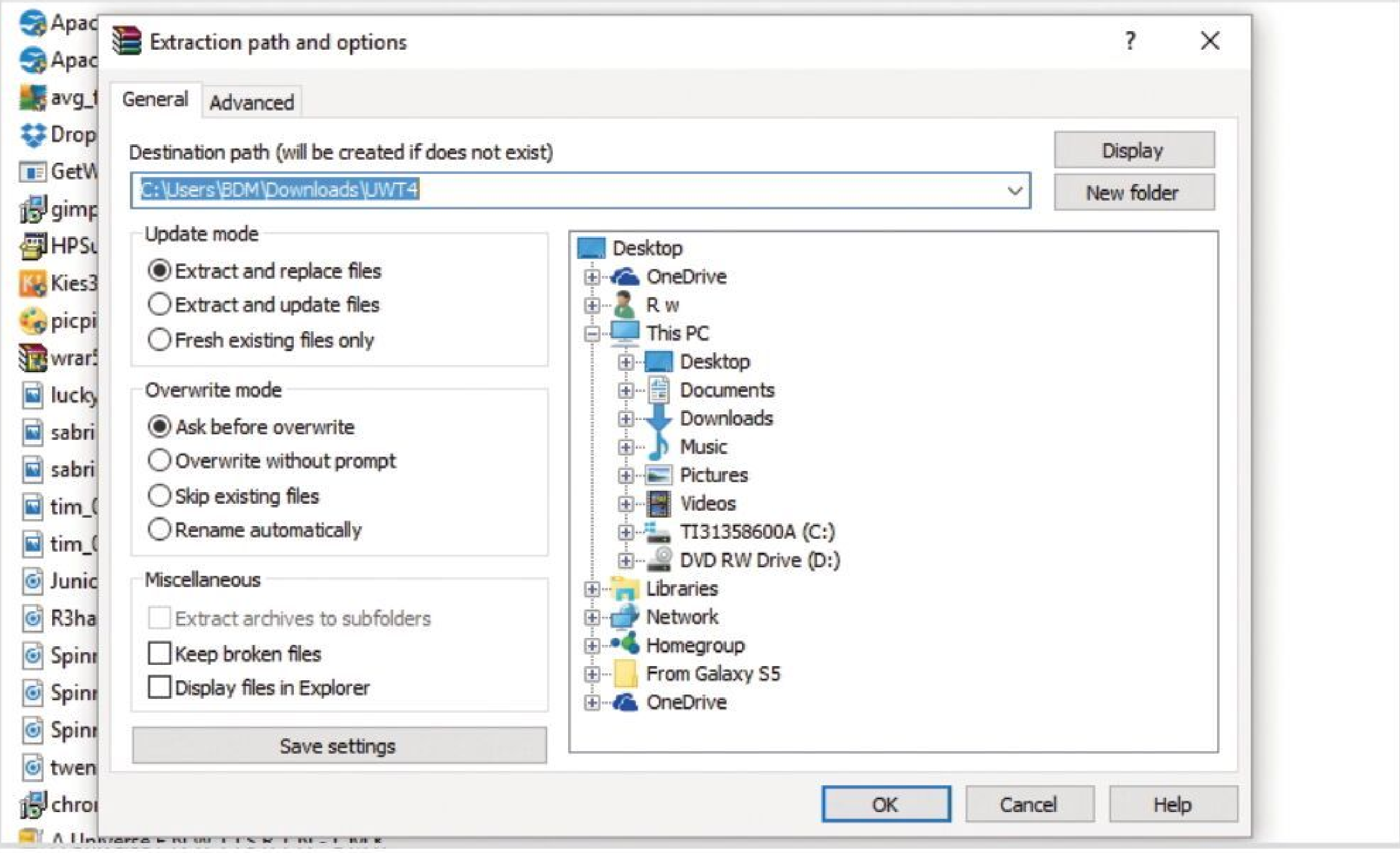
Tweak and Modify Windows 10

There are plenty of ways to customise Windows 10 built right in to the operating system. However, if you really want to tweak and modify the system, you will need to resort to external software. Ultimate Windows Tweaker 4.1 allows you to modify the appearance, security and performance of Windows 10.

Set Up Windows Tweaker

The Ultimate Windows Tweaker software is not available as an app, so you will need to download the file from **http://www.thewindowsclub.com/ultimate-windows-tweaker-4-windows-10**.

1 Once you have downloaded the zip file, extract its contents and move the program folder to your desired location. Pin its executable file to your Start menu for easy access. Do not separate out the contents of the download as it is important that the contents stay in the same folder.


Extraction path and options
General
Advanced
Display
New folder
Save settings
OK
Cancel
Help
Desktop
OneDrive
R w
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
TI31358600A (C:)
DVD RW Drive (D:)
Libraries
Network
Homegroup
From Galaxy S5
OneDrive

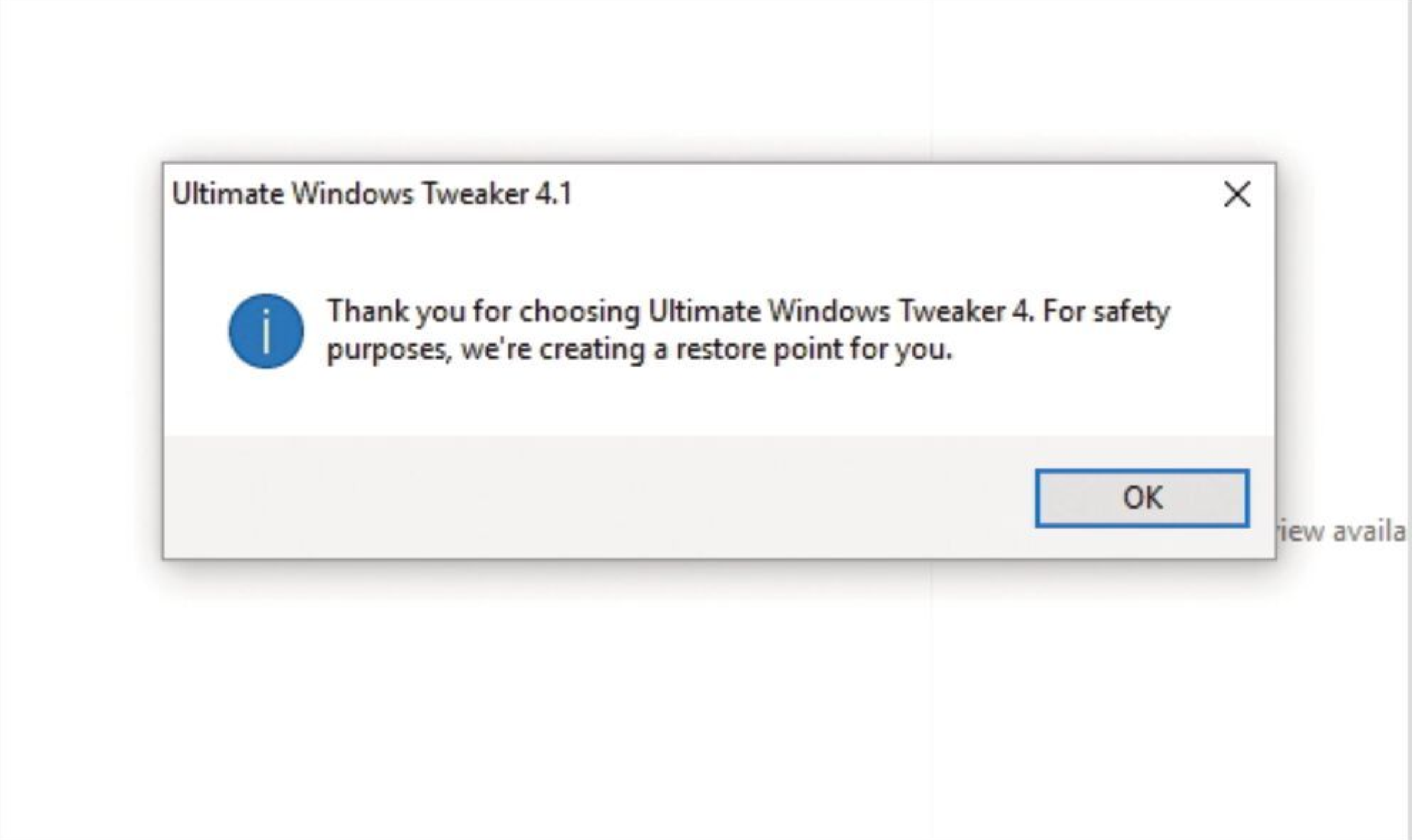
Destination path (will be created if does not exist)
C:\Users\BDM\Downloads\UWT4

Update mode
● Extract and replace files
○ Extract and update files
○ Fresh existing files only

Overwrite mode
● Ask before overwrite
○ Overwrite without prompt
○ Skip existing files
○ Rename automatically

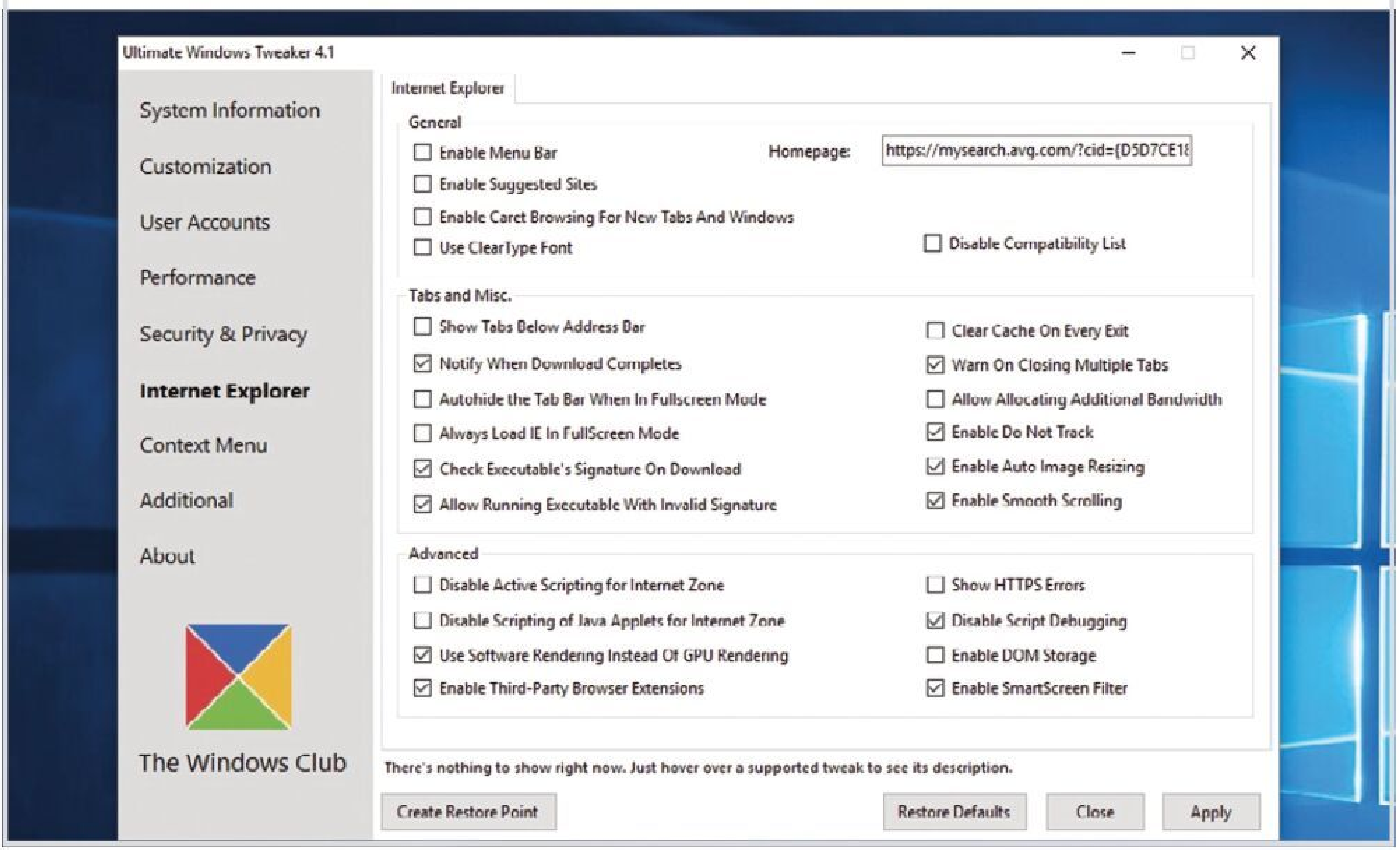
Miscellaneous
☐ Extract archives to subfolders
☐ Keep broken files
☐ Display files in Explorer

2 As when making any large system changes to your computer, you should create a system restore point first. You can use the Create Restore Point button that UWT offers. The software prompts you to create one, before using the tweaks, so that you can revert back should you feel the need to.


Ultimate Windows Tweaker 4.1
OK

Thank you for choosing Ultimate Windows Tweaker 4. For safety purposes, we're creating a restore point for you.

3 These tweaks are not really meant for beginners. It is recommended that you do not over tweak your system in one go. We suggest you apply tweaks for only 1 category every day, see how your system performs, before moving on to apply more tweaks if you don't see problems.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
The Windows Club
Internet Explorer
Create Restore Point
Restore Defaults
Close
Apply

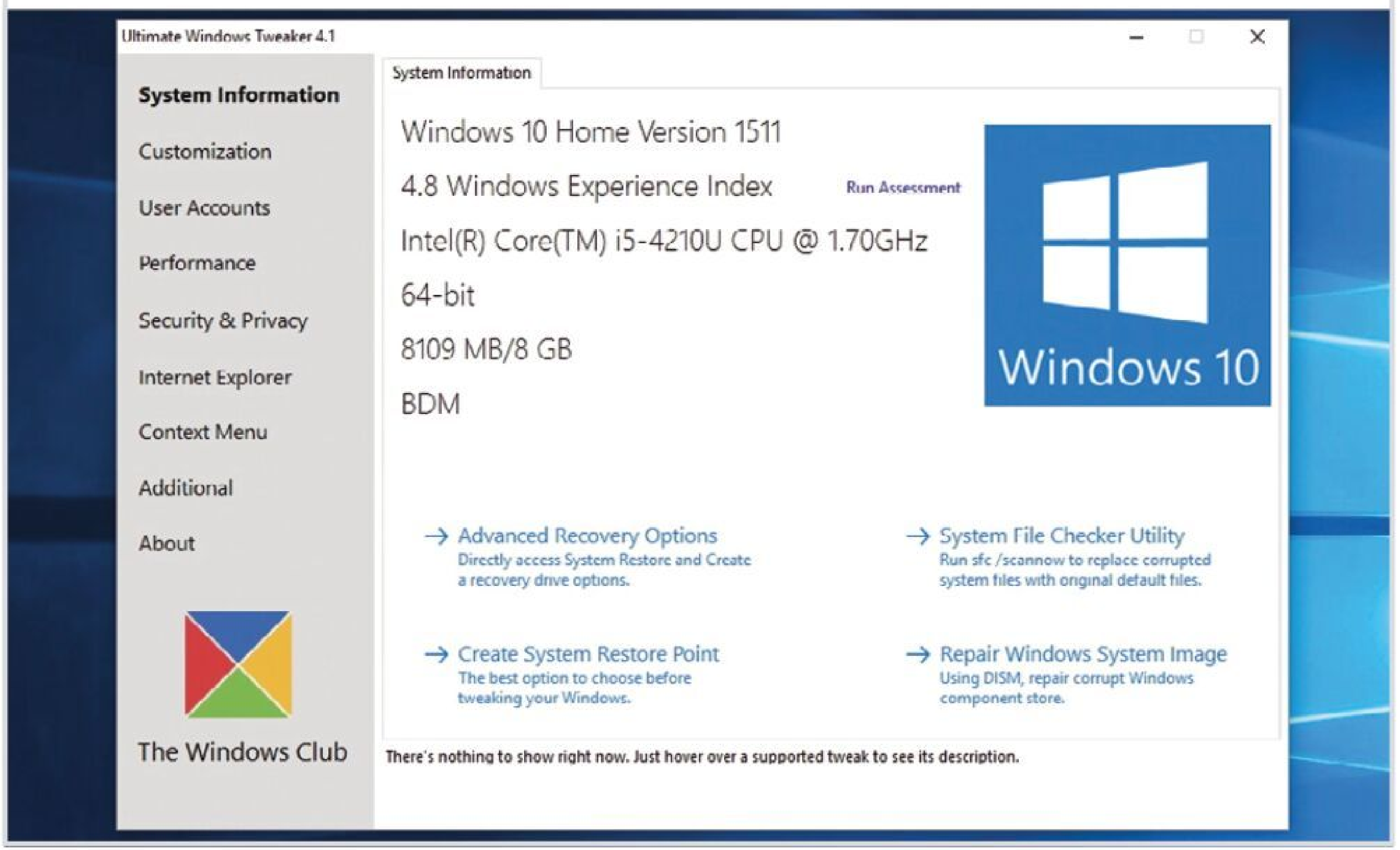
General
☐ Enable Menu Bar
☐ Enable Suggested Sites
☐ Enable Caret Browsing For New Tabs And Windows
☐ Use ClearType Font
Homepage: https://mysearch.avg.com/?cid={D5D7CE1
☐ Disable Compatibility List

Tabs and Misc.
☐ Show Tabs Below Address Bar
☑ Notify When Download Completes
☐ Autohide the Tab Bar When In Fullscreen Mode
☐ Always Load IE In FullScreen Mode
☑ Check Executable's Signature On Download
☑ Allow Running Executable With Invalid Signature
☐ Clear Cache On Every Exit
☑ Warn On Closing Multiple Tabs
☐ Allow Allocating Additional Bandwidth
☑ Enable Do Not Track
☑ Enable Auto Image Resizing
☑ Enable Smooth Scrolling

Advanced
☐ Disable Active Scripting for Internet Zone
☐ Disable Scripting of Java Applets for Internet Zone
☑ Use Software Rendering Instead Of GPU Rendering
☑ Enable Third-Party Browser Extensions
☐ Show HTTPS Errors
☑ Disable Script Debugging
☐ Enable DOM Storage
☑ Enable SmartScreen Filter

There's nothing to show right now. Just hover over a supported tweak to see its description.

4 To apply a particular tweak, check or uncheck the boxes or use the sliders provided. Once you have selected one or more tweaks, click on the Apply button. Some tweaks may apply instantaneously. If a system restart is required, you will be reminded to restart your computer when you exit.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
The Windows Club
System Information
Run Assessment
Windows 10

Windows 10 Home Version 1511
4.8 Windows Experience Index
Intel(R) Core(TM) i5-4210U CPU @ 1.70GHz
64-bit
8109 MB/8 GB
BDM

→ Advanced Recovery Options
Directly access System Restore and Create a recovery drive options.

→ System File Checker Utility
Run sfc /scannow to replace corrupted system files with original default files.

→ Create System Restore Point
The best option to choose before tweaking your Windows.

→ Repair Windows System Image
Using DISM, repair corrupt Windows component store.

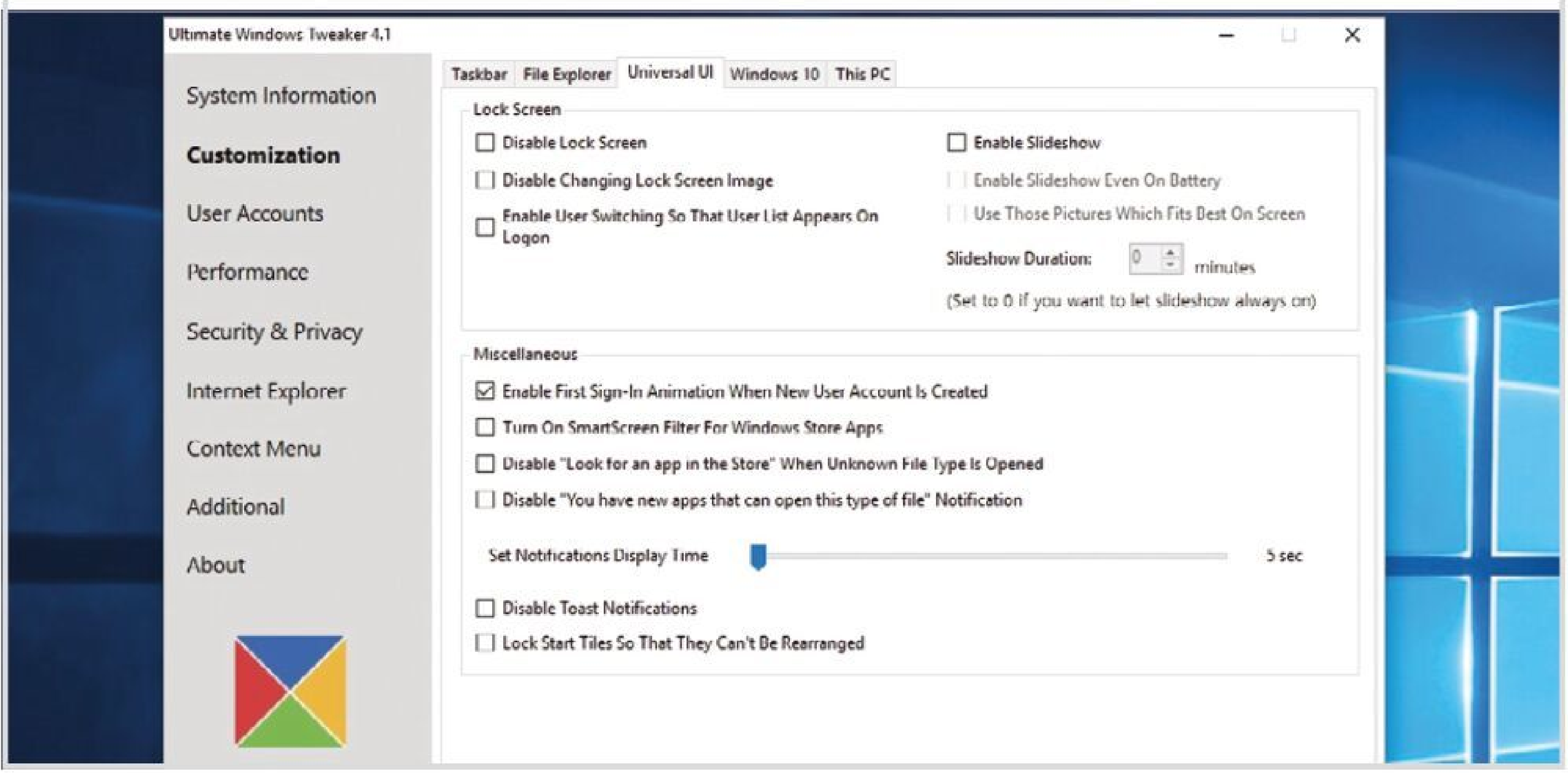
There's nothing to show right now. Just hover over a supported tweak to see its description.

Tweak and Mod Menus

Each of the menus in UWT4 contains lots of different settings and options, from simple appearance tweaks to more complicated performance mods.

Customisation Menu

Under this category you will be able to tweak the settings of your taskbar, Thumbnails, File Explorer and the Modern UI. You can opt to use Light or dark theme for OS or apps, disable Start animations, use default or change Battery Date & Time flyouts or change the Volume Control.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
Taskbar
File Explorer
Universal UI
Windows 10
This PC

Lock Screen

☐ Disable Lock Screen
☐ Disable Changing Lock Screen Image
☐ Enable User Switching So That User List Appears On Logon
☐ Enable Slideshow
☐ Enable Slideshow Even On Battery
☐ Use Those Pictures Which Fits Best On Screen

Slideshow Duration: 0 minutes

(Set to 0 if you want to let slideshow always on)

Miscellaneous

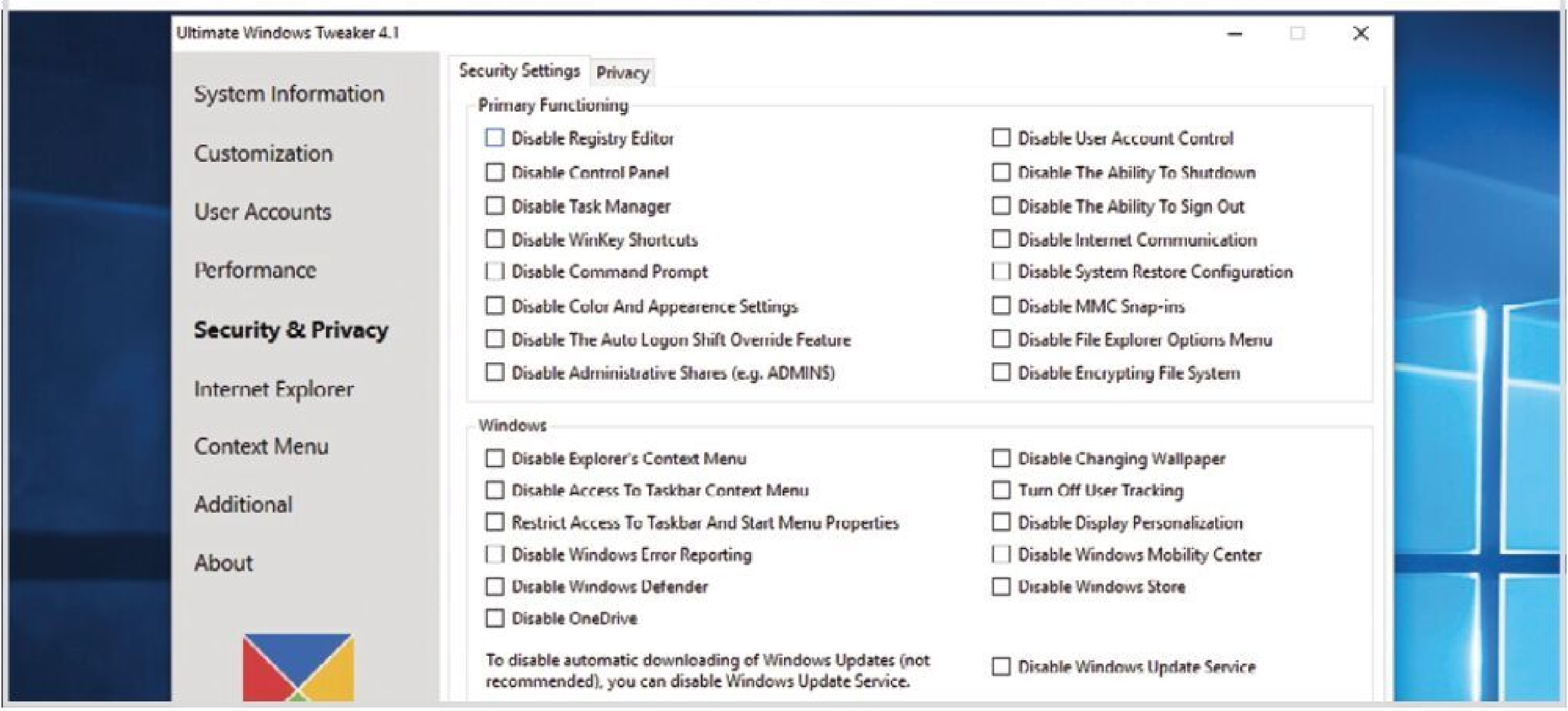
☑ Enable First Sign-In Animation When New User Account Is Created
☐ Turn On SmartScreen Filter For Windows Store Apps
☐ Disable "Look for an app in the Store" When Unknown File Type Is Opened
☐ Disable "You have new apps that can open this type of file" Notification

Set Notifications Display Time 5 sec

☐ Disable Toast Notifications
☐ Lock Start Tiles So That They Can't Be Rearranged

Security & Privacy Menu

If you want to restrict access to some Control Panel applets like Windows Updates you can do so easily. You can disable Telemetry, Biometrics, Advertising ID, Cortana, Windows Update sharing, Feedback requests, password Reveal button, Steps Recorder, disable Wi-Fi Sense and Application Telemetry.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
Security Settings
Privacy

Primary Functioning

☐ Disable Registry Editor
☐ Disable Control Panel
☐ Disable Task Manager
☐ Disable WinKey Shortcuts
☐ Disable Command Prompt
☐ Disable Color And Appearence Settings
☐ Disable The Auto Logon Shift Override Feature
☐ Disable Administrative Shares (e.g. ADMIN$)
☐ Disable User Account Control
☐ Disable The Ability To Shutdown
☐ Disable The Ability To Sign Out
☐ Disable Internet Communication
☐ Disable System Restore Configuration
☐ Disable MMC Snap-ins
☐ Disable File Explorer Options Menu
☐ Disable Encrypting File System

Windows

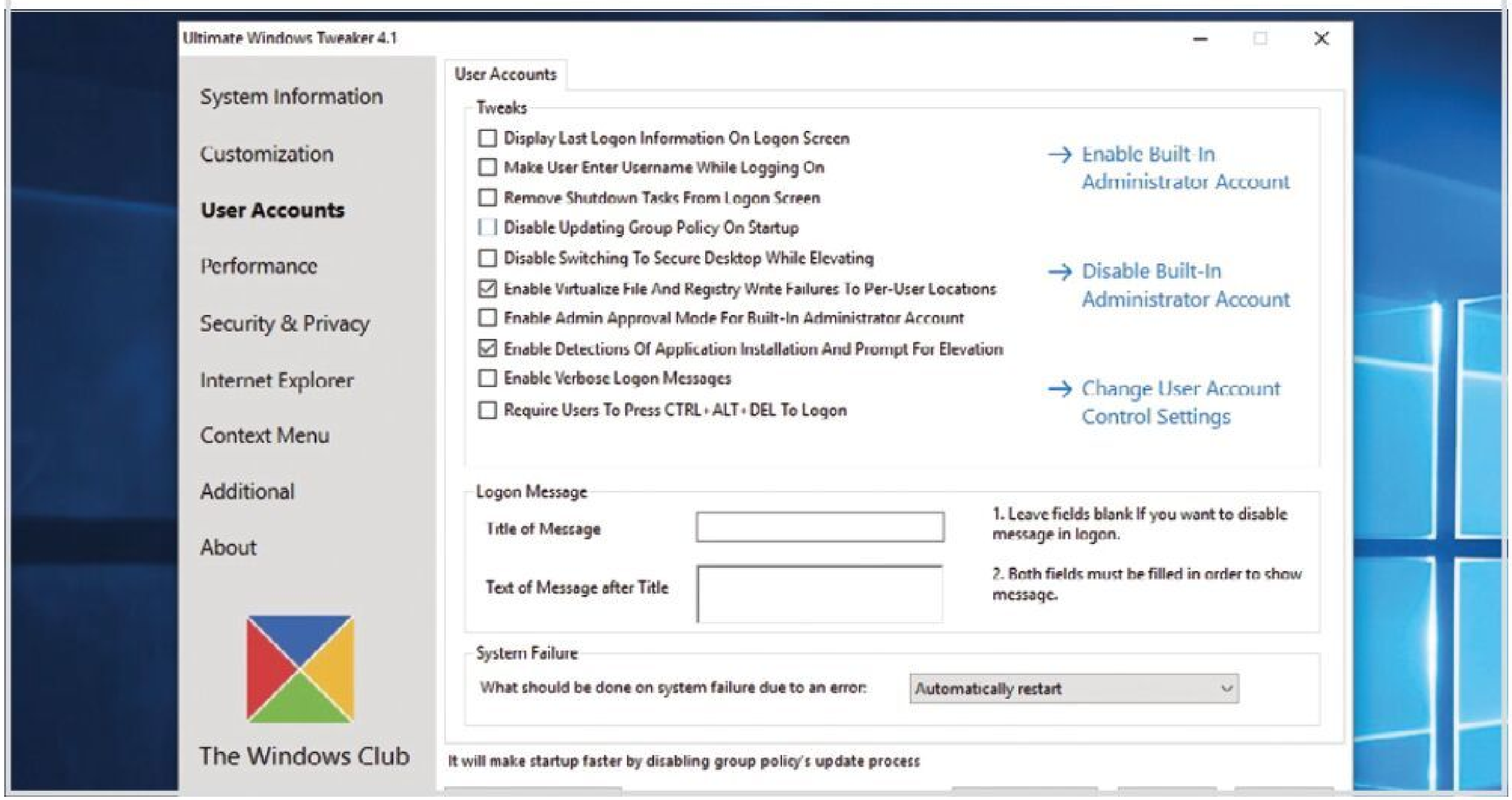
☐ Disable Explorer's Context Menu
☐ Disable Access To Taskbar Context Menu
☐ Restrict Access To Taskbar And Start Menu Properties
☐ Disable Windows Error Reporting
☐ Disable Windows Defender
☐ Disable OneDrive
☐ Disable Changing Wallpaper
☐ Turn Off User Tracking
☐ Disable Display Personalization
☐ Disable Windows Mobility Center
☐ Disable Windows Store

To disable automatic downloading of Windows Updates (not recommended), you can disable Windows Update Service.

☐ Disable Windows Update Service

User Accounts Menu

Under the User Accounts tab, you will be able to change your User Account settings, Logon information and sign in options. You can also change the User Account Control settings here.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
The Windows Club
User Accounts
→ Enable Built-In Administrator Account
→ Disable Built-In Administrator Account
→ Change User Account Control Settings

Tweaks

☐ Display Last Logon Information On Logon Screen
☐ Make User Enter Username While Logging On
☐ Remove Shutdown Tasks From Logon Screen
☐ Disable Updating Group Policy On Startup
☐ Disable Switching To Secure Desktop While Elevating
☑ Enable Virtualize File And Registry Write Failures To Per-User Locations
☐ Enable Admin Approval Mode For Built-In Administrator Account
☑ Enable Detections Of Application Installation And Prompt For Elevation
☐ Enable Verbose Logon Messages
☐ Require Users To Press CTRL+ALT+DEL To Logon

Logon Message

Title of Message

Text of Message after Title

1. Leave fields blank If you want to disable message in logon.
2. Both fields must be filled in order to show message.

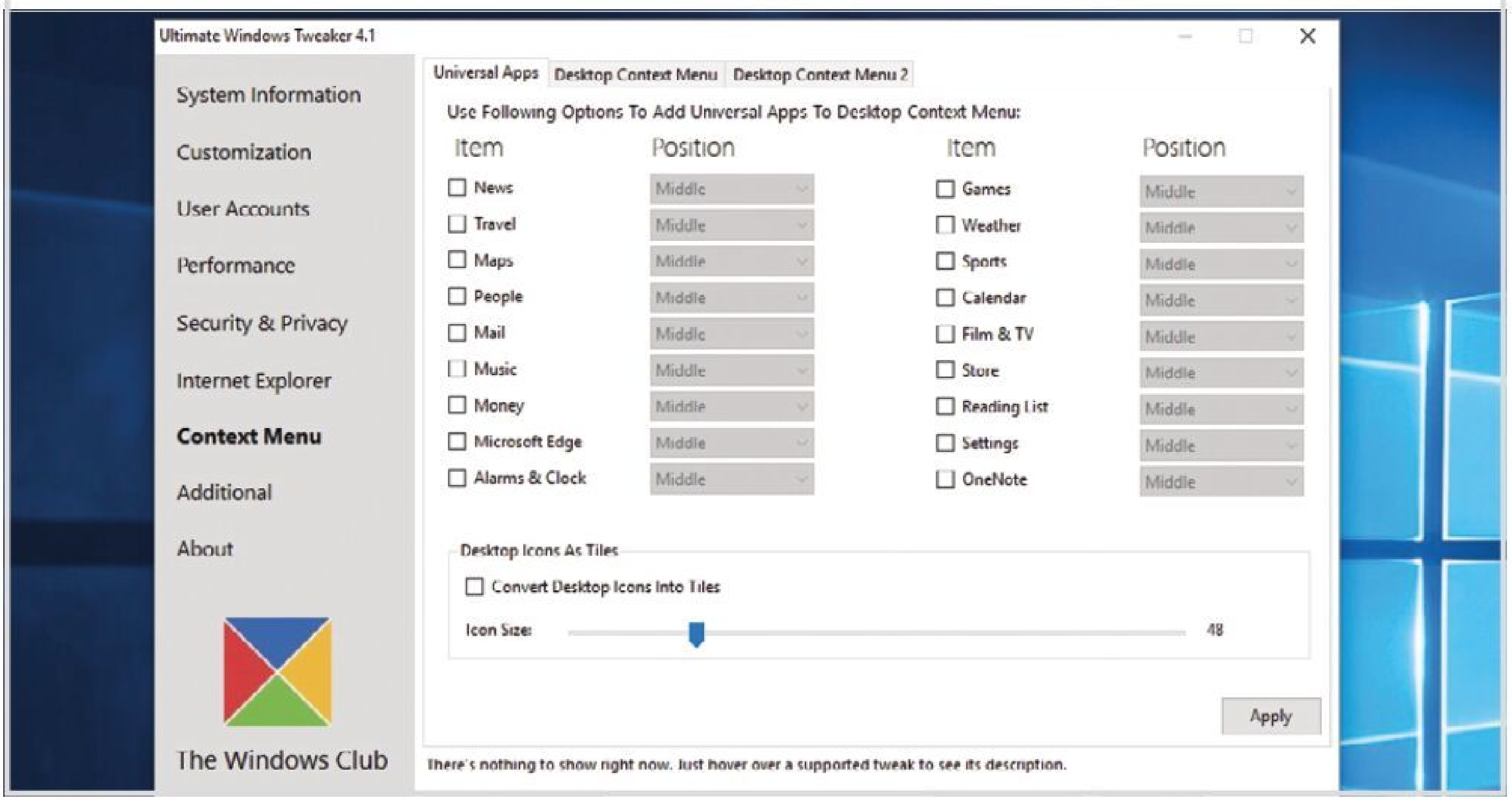
System Failure

What should be done on system failure due to an error: Automatically restart

It will make startup faster by disabling group policy's update process

Context Menu

Add Windows Store apps, features and useful functions to the right-click context menu and Scan with Windows Defender, Clear Clipboard, all built-in default Windows Store apps and more to the context menu.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
The Windows Club
Universal Apps
Desktop Context Menu
Desktop Context Menu 2
Apply

Use Following Options To Add Universal Apps To Desktop Context Menu:

Item	Position	Item	Position
☐ News	Middle	☐ Games	Middle
☐ Travel	Middle	☐ Weather	Middle
☐ Maps	Middle	☐ Sports	Middle
☐ People	Middle	☐ Calendar	Middle
☐ Mail	Middle	☐ Film & TV	Middle
☐ Music	Middle	☐ Store	Middle
☐ Money	Middle	☐ Reading List	Middle
☐ Microsoft Edge	Middle	☐ Settings	Middle
☐ Alarms & Clock	Middle	☐ OneNote	Middle

Desktop Icons As Tiles

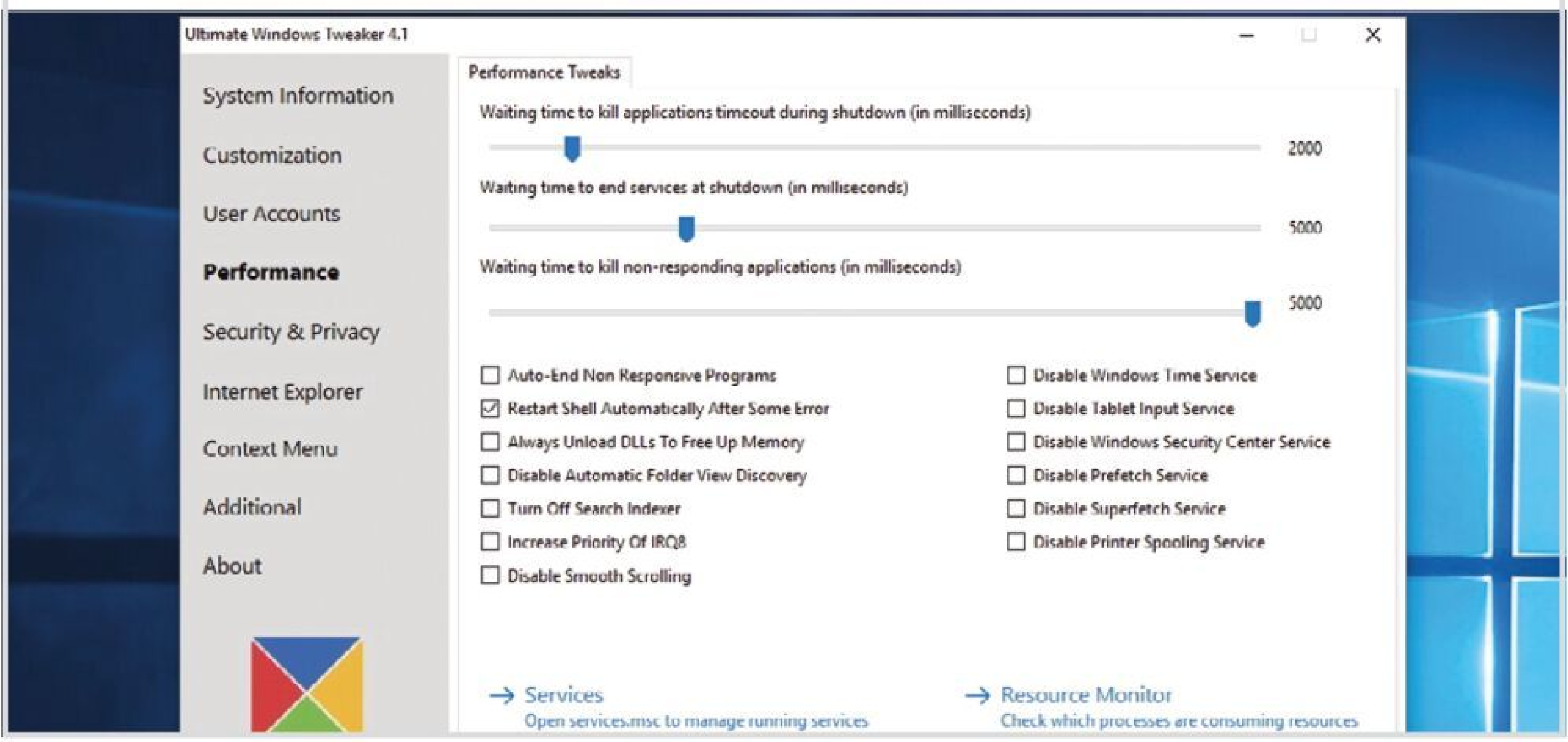
☐ Convert Desktop Icons Into Tiles

Icon Size: 48

There's nothing to show right now. Just hover over a supported tweak to see its description.

Performance Menu

The Performance tab offers tweaks to optimise Windows 10 to best suit your requirements. While most of these settings are best left at their default values, this panel gives you quick access to change them, should you wish to. Tweak these settings VERY carefully at first.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
Performance Tweaks
→ Services
Open services.msc to manage running services
→ Resource Monitor
Check which processes are consuming resources

Waiting time to kill applications timeout during shutdown (in milliseconds) 2000

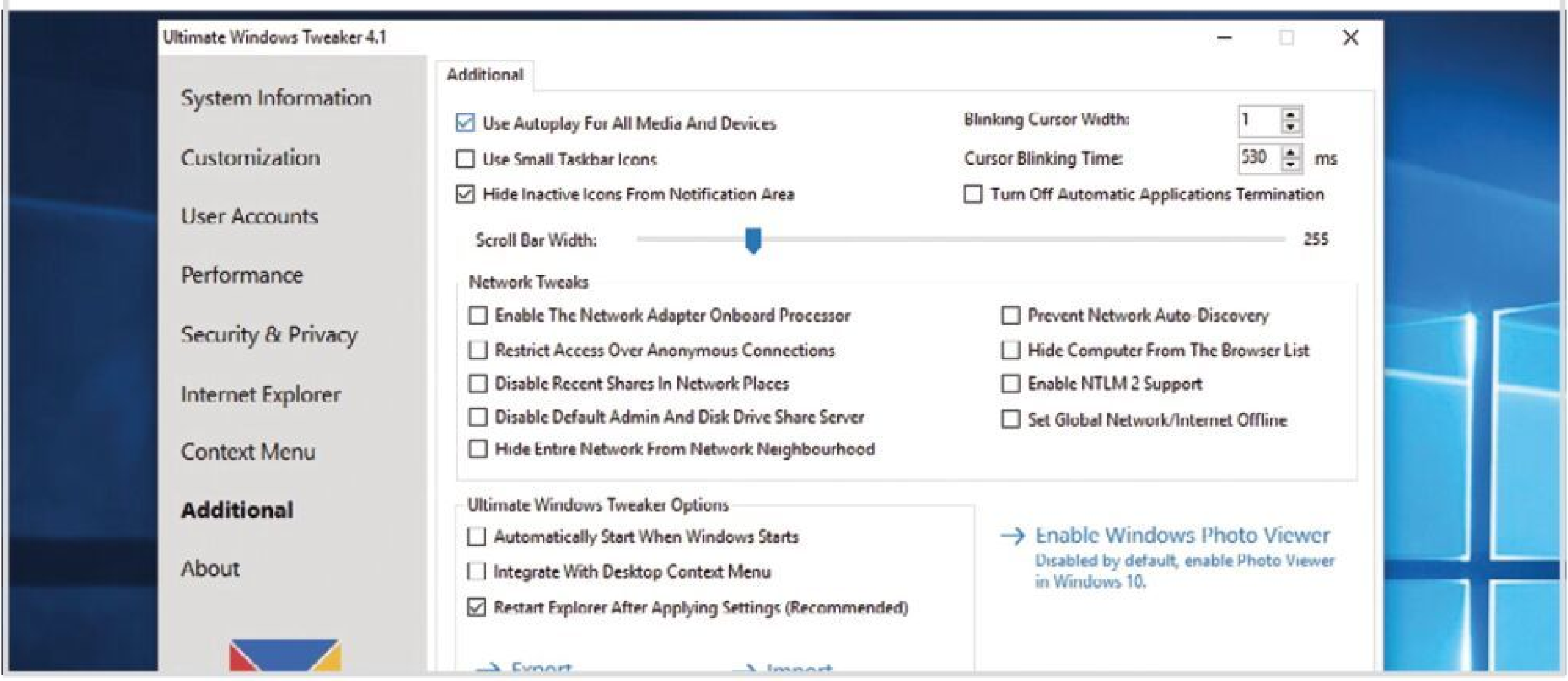
Waiting time to end services at shutdown (in milliseconds) 5000

Waiting time to kill non-responding applications (in milliseconds) 5000

☐ Auto-End Non Responsive Programs
☑ Restart Shell Automatically After Some Error
☐ Always Unload DLLs To Free Up Memory
☐ Disable Automatic Folder View Discovery
☐ Turn Off Search Indexer
☐ Increase Priority Of IRQ8
☐ Disable Smooth Scrolling
☐ Disable Windows Time Service
☐ Disable Tablet Input Service
☐ Disable Windows Security Center Service
☐ Disable Prefetch Service
☐ Disable Superfetch Service
☐ Disable Printer Spooling Service

Additional Tweaks Menu

Under this category, you will see some additional system and Network tweaks. You can also set UWT to behave the way you want it too. By default, when you apply a tweak and click Apply, UWT4 will automatically restart explorer.exe to apply the tweak. Change its behaviour if you wish.


Ultimate Windows Tweaker 4.1
System Information
Customization
User Accounts
Performance
Security & Privacy
Internet Explorer
Context Menu
Additional
About
Additional
→ Enable Windows Photo Viewer
Disabled by default, enable Photo Viewer in Windows 10.
→ Export
→ Import

☑ Use Autoplay For All Media And Devices
☐ Use Small Taskbar Icons
☑ Hide Inactive Icons From Notification Area

Blinking Cursor Width: 1

Cursor Blinking Time: 530 ms

☐ Turn Off Automatic Applications Termination

Scroll Bar Width: 255

Network Tweaks

☐ Enable The Network Adapter Onboard Processor
☐ Restrict Access Over Anonymous Connections
☐ Disable Recent Shares In Network Places
☐ Disable Default Admin And Disk Drive Share Server
☐ Hide Entire Network From Network Neighbourhood
☐ Prevent Network Auto-Discovery
☐ Hide Computer From The Browser List
☐ Enable NTLM 2 Support
☐ Set Global Network/Internet Offline

Ultimate Windows Tweaker Options

☐ Automatically Start When Windows Starts
☐ Integrate With Desktop Context Menu
☑ Restart Explorer After Applying Settings (Recommended)

Using the Power Menu

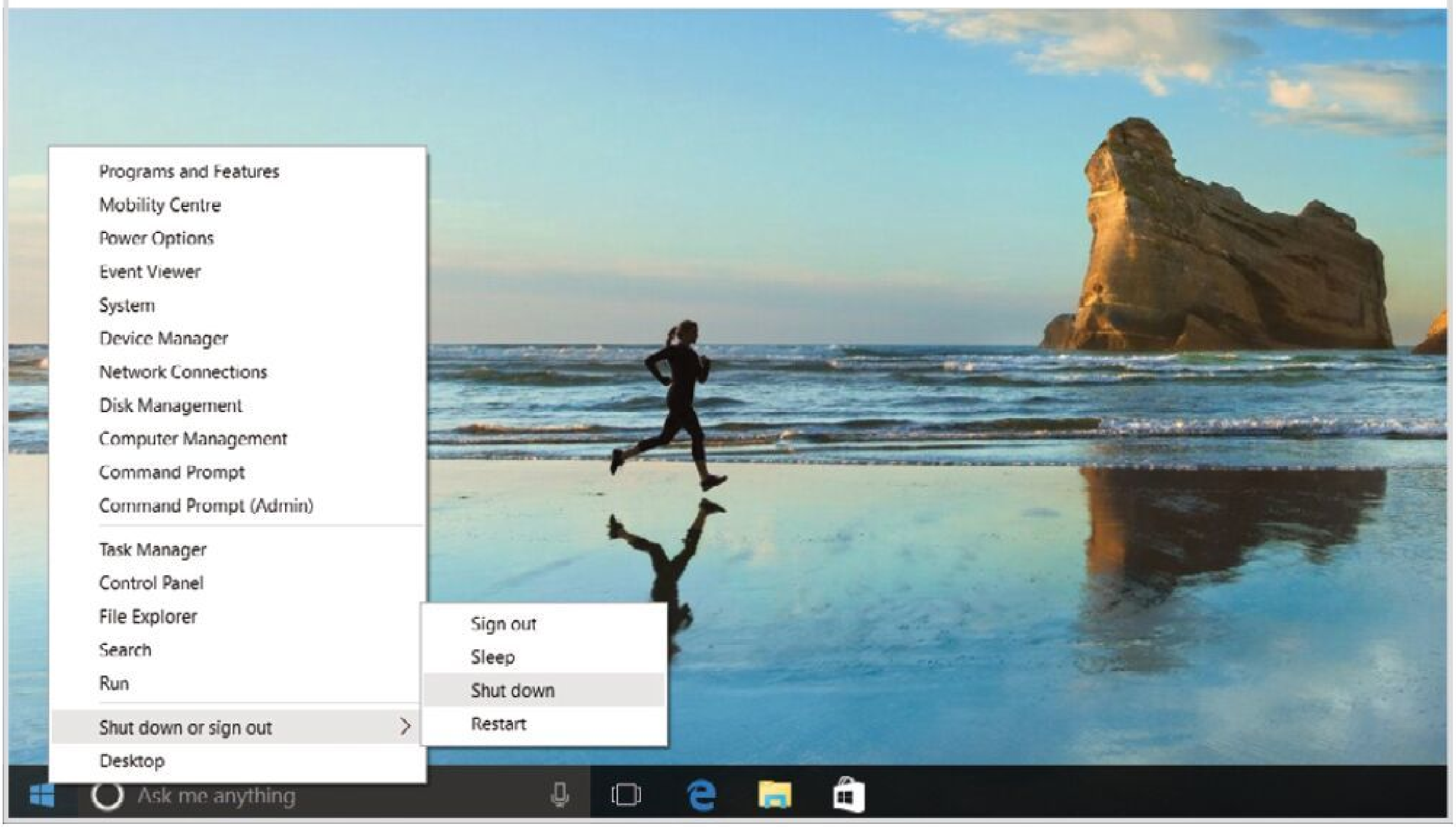
Windows 10 boasts a secret power menu (as did the version of Windows before it), that gives you access to several useful system and maintenance tools and features. Here we show you how you can use it to your advantage to quickly access networking settings and extra features that power users need.

Power Up

The secret Power Menu enables the more advanced Windows 10 users among you to quickly access key settings that you probably commonly use, but are buried deeper within the system.

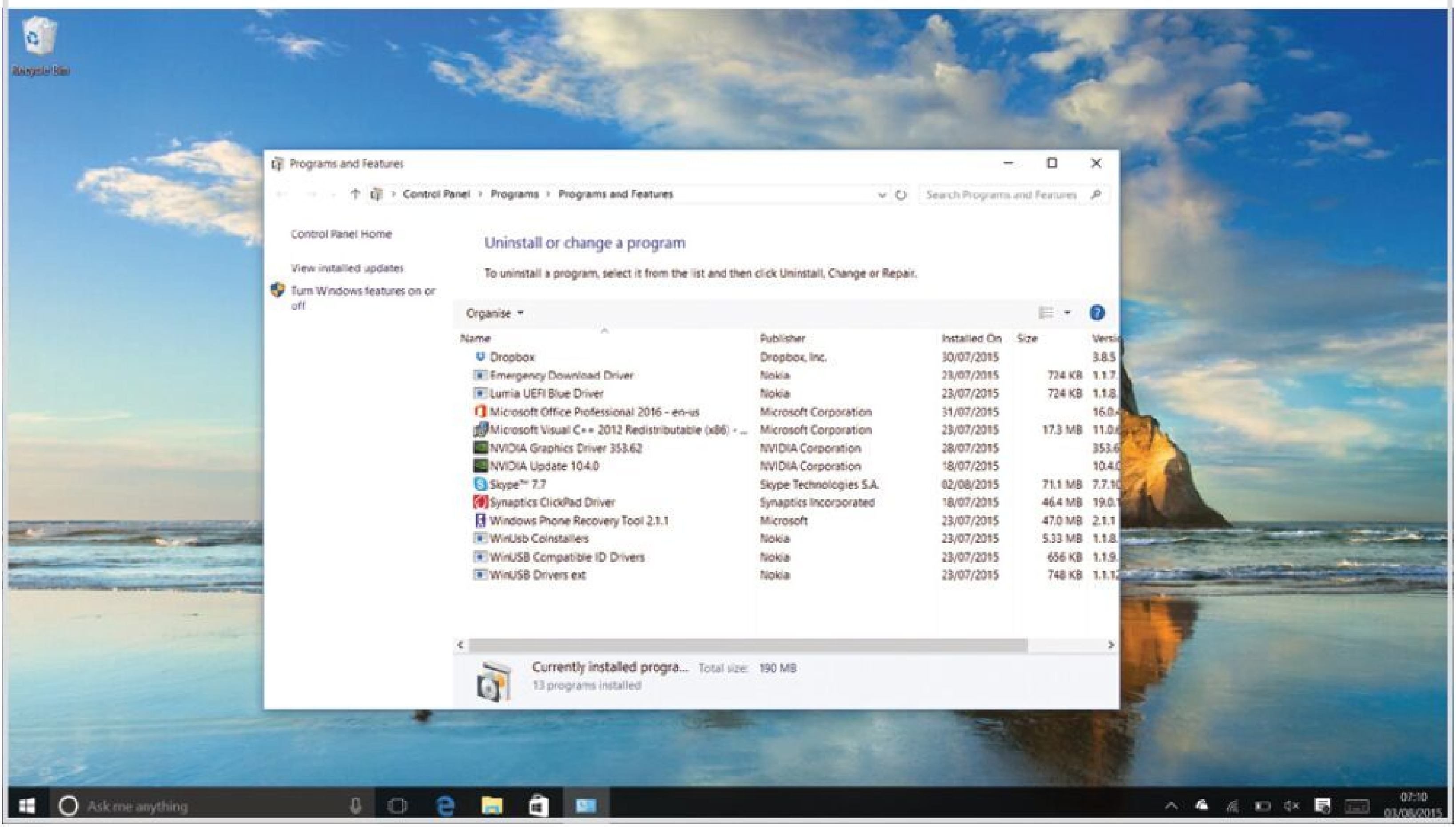
Start it Up

You open the Power Menu using the Start button, but instead of just clicking it to open the Start menu, right-click the button. You'll see this menu appear. Note that you can also shut down or sign out here, too. This menu was created for users who felt the Windows 8 Start screen didn't give them access to what they needed.


Programs and Features
Mobility Centre
Power Options
Event Viewer
System
Device Manager
Network Connections
Disk Management
Computer Management
Command Prompt
Command Prompt (Admin)
Task Manager
Control Panel
File Explorer
Search
Run
Shut down or sign out
Desktop
Sign out
Sleep
Shut down
Restart
Ask me anything

Uninstall Desktop Apps

The Power Menu is also a quick route to getting to the part of Control Panel that enables you to uninstall desktop apps. Now Windows 10 enables you to uninstall any application by right-clicking it and selecting Uninstall from the context menu that appears – but this is the best route if you need to uninstall several things.


Programs and Features
Control Panel › Programs › Programs and Features
Search Programs and Features
Control Panel Home
View installed updates
Turn Windows features on or off
Organise
Ask me anything

Uninstall or change a program

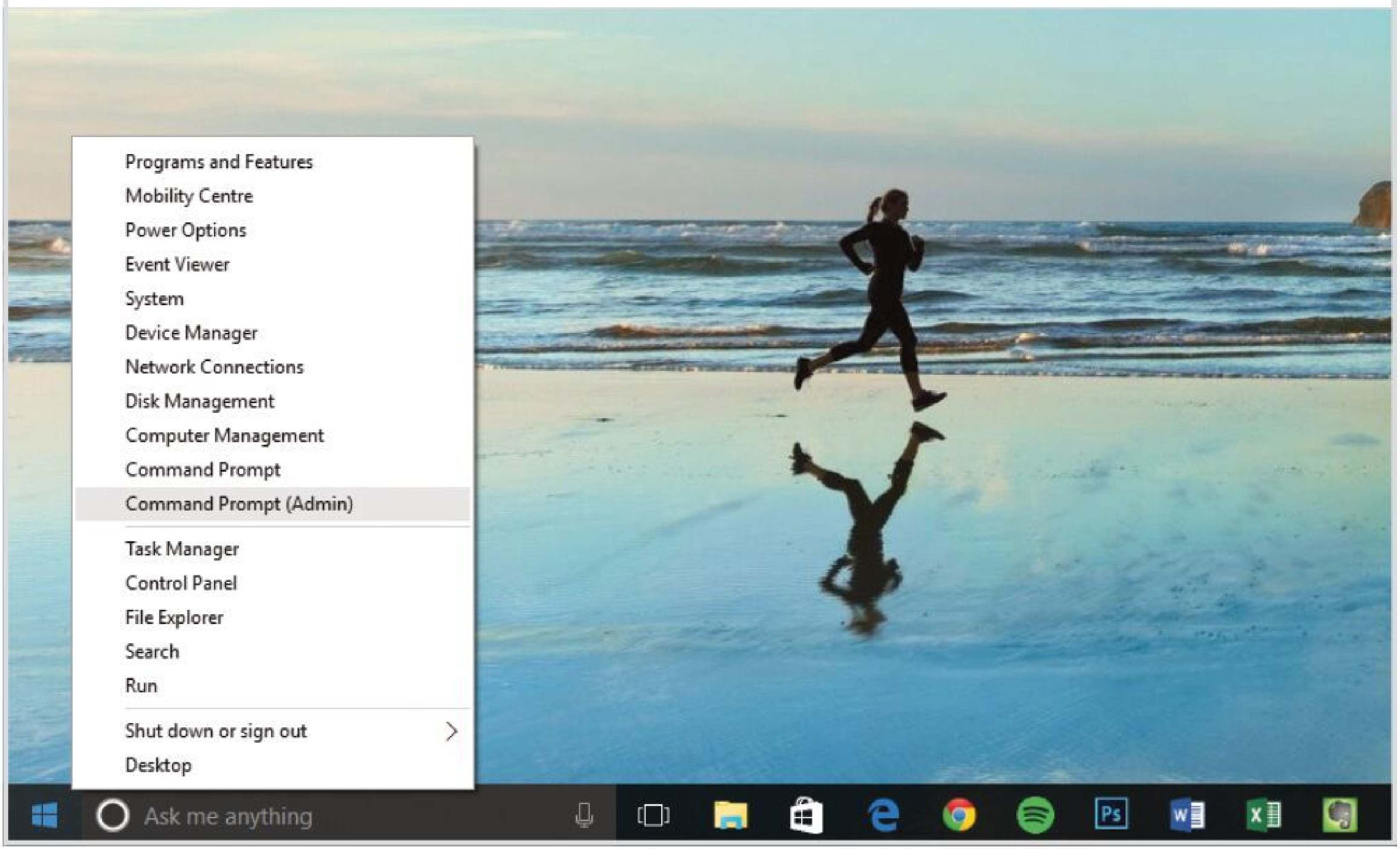
To uninstall a program, select it from the list and then click Uninstall, Change or Repair.

Name	Publisher	Installed On	Size	Versi
Dropbox	Dropbox, Inc.	30/07/2015		3.8.5
Emergency Download Driver	Nokia	23/07/2015	724 KB	1.1.7.
Lumia UEFI Blue Driver	Nokia	23/07/2015	724 KB	1.1.8.
Microsoft Office Professional 2016 - en-us	Microsoft Corporation	31/07/2015		16.0.
Microsoft Visual C++ 2012 Redistributable (x86) - ...	Microsoft Corporation	23/07/2015	17.3 MB	11.0.
NVIDIA Graphics Driver 353.62	NVIDIA Corporation	28/07/2015		353.6
NVIDIA Update 10.4.0	NVIDIA Corporation	18/07/2015		10.4.0
Skype™ 7.7	Skype Technologies S.A.	02/08/2015	71.1 MB	7.7.1
Synaptics ClickPad Driver	Synaptics Incorporated	18/07/2015	46.4 MB	19.0.
Windows Phone Recovery Tool 2.1.1	Microsoft	23/07/2015	47.0 MB	2.1.1
WinUsb CoInstallers	Nokia	23/07/2015	5.33 MB	1.1.8.
WinUSB Compatible ID Drivers	Nokia	23/07/2015	656 KB	1.1.9.
WinUSB Drivers ext	Nokia	23/07/2015	748 KB	1.1.1

Currently installed progra... Total size: 190 MB
13 programs installed

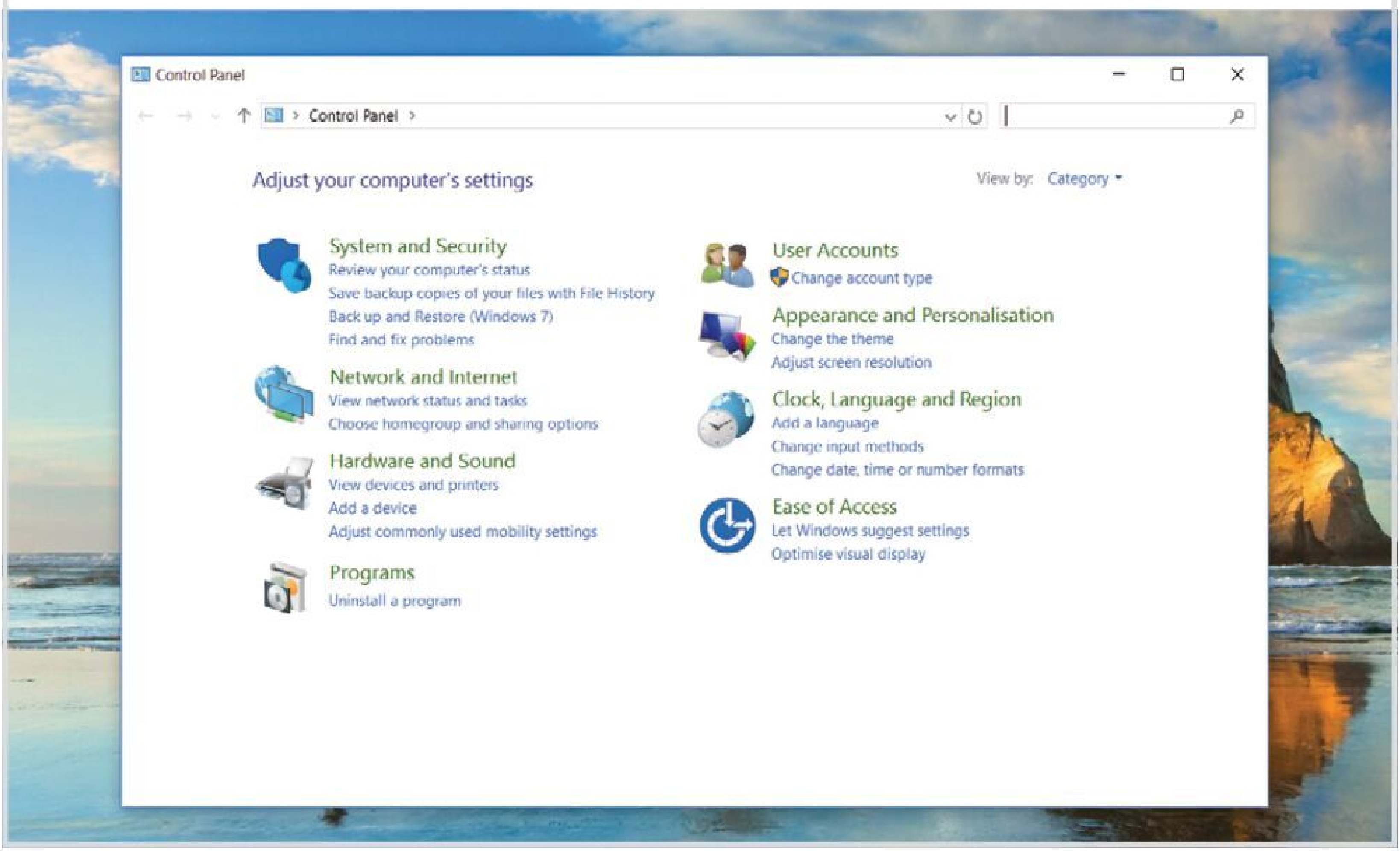
Command

We'll look at the Command Prompt on the next page. You can access it from the Power Menu. If you're an administrator on your PC, you can start what's called an Elevated Command Prompt that enables you to get deep access into files and programs, rather than just basic access.


Programs and Features
Mobility Centre
Power Options
Event Viewer
System
Device Manager
Network Connections
Disk Management
Computer Management
Command Prompt
Command Prompt (Admin)
Task Manager
Control Panel
File Explorer
Search
Run
Shut down or sign out
Desktop
Ask me anything

Control Panel

The Power Menu is also the best way to get to Control Panel. The Settings app may be the new user-friendly method to change things in Windows 10, but Control Panel still contains a lot of advanced settings – not least hardware troubleshooting, themes, backup, restore and network sharing options.


Control Panel
Control Panel ›
Adjust your computer's settings
View by: Category
System and Security
Review your computer's status
Save backup copies of your files with File History
Back up and Restore (Windows 7)
Find and fix problems
Network and Internet
View network status and tasks
Choose homegroup and sharing options
Hardware and Sound
View devices and printers
Add a device
Adjust commonly used mobility settings
Programs
Uninstall a program
User Accounts
Change account type
Appearance and Personalisation
Change the theme
Adjust screen resolution
Clock, Language and Region
Add a language
Change input methods
Change date, time or number formats
Ease of Access
Let Windows suggest settings
Optimise visual display

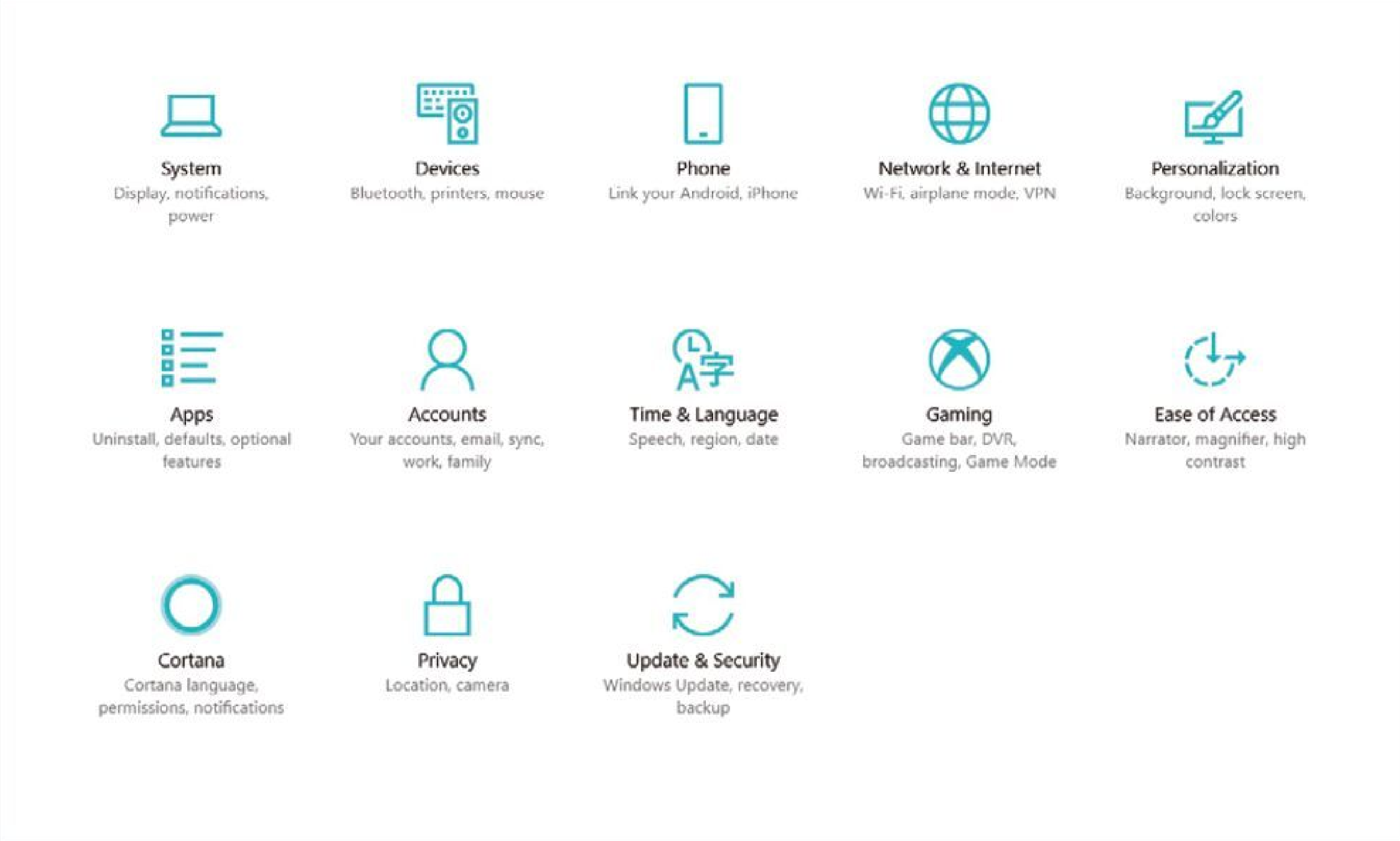
Using Windows 10 Storage Sense

When your Windows 10 computer begins to run out of space, typically you manually empty the recycle bin and delete temporary files to free up storage space; then use different tools, such as the built-in Disk Cleanup utility. You can now use Storage Sense to automatically get rid of junk files.

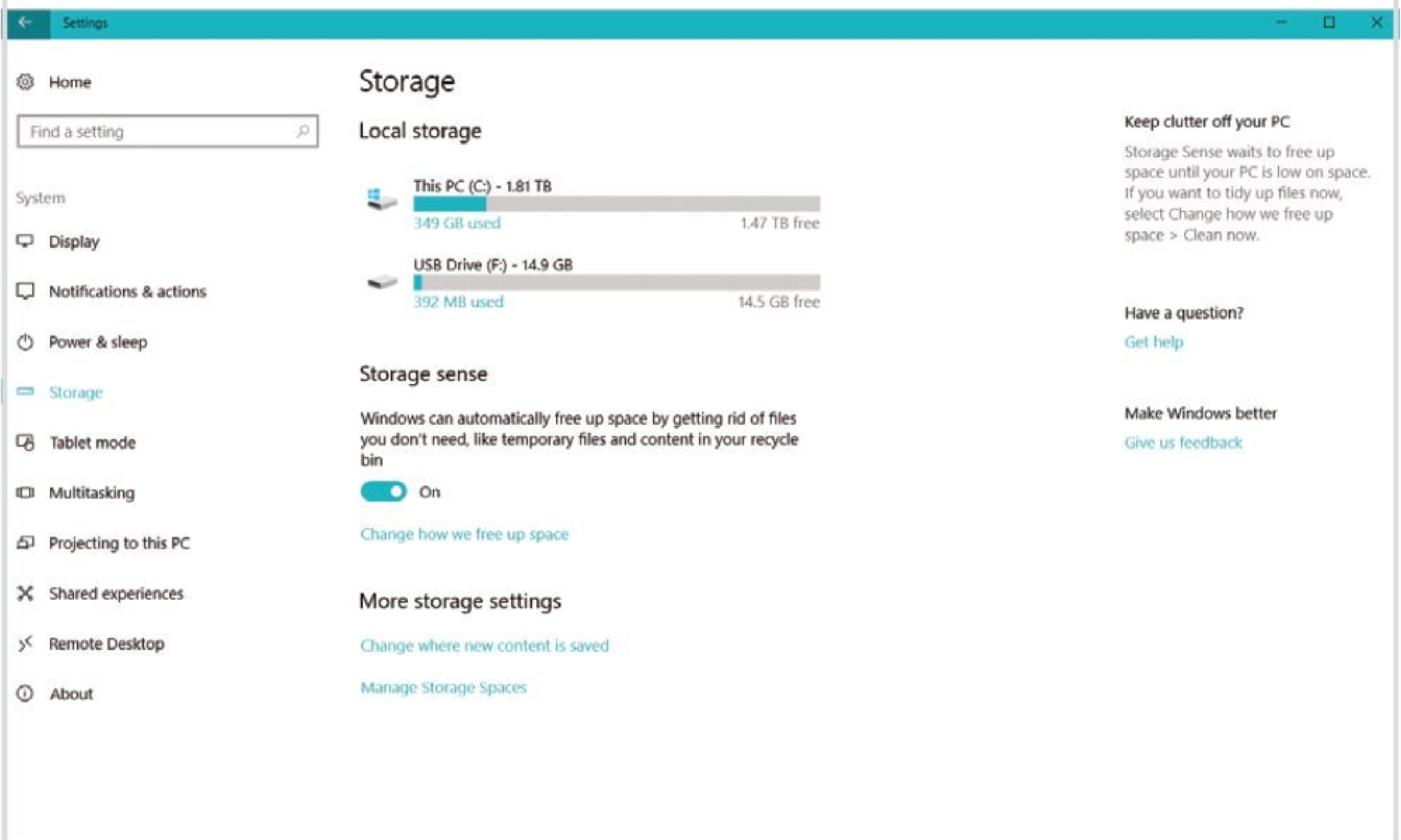
Updated Storage Sense

Storage Sense has been a part of Windows 10 for some time but it has been updated and added to in the Creators update. If you don't see the options mentioned here, make sure your OS is up to date.

1 To enable Storage Sense on Windows 10, open Settings > System > Storage. Click on the Storage Sense toggle switch. Once you enable the option, Windows 10 will automatically delete junk files from your PC, including some temporary files and items in the recycle bin older than 30 days.


System
Display, notifications, power
Devices
Bluetooth, printers, mouse
Phone
Link your Android, iPhone
Network & Internet
Wi-Fi, airplane mode, VPN
Personalization
Background, lock screen, colors
Apps
Uninstall, defaults, optional features
Accounts
Your accounts, email, sync, work, family
Time & Language
Speech, region, date
Gaming
Game bar, DVR, broadcasting, Game Mode
Ease of Access
Narrator, magnifier, high contrast
Cortana
Cortana language, permissions, notifications
Privacy
Location, camera
Update & Security
Windows Update, recovery, backup

2 Storage Sense isn't a manual storage wipe. If you need to clear out space right now, and you have large files in the recycle bin that aren't 30 days old, you will need to delete them manually. Things like old versions of Windows, installation files and update logs will also need to be removed manually.


Settings
Home
Find a setting
System
Display
Notifications & actions
Power & sleep
Storage
Tablet mode
Multitasking
Projecting to this PC
Shared experiences
Remote Desktop
About

Storage

Local storage

This PC (C:) - 1.81 TB
349 GB used 1.47 TB free

USB Drive (F:) - 14.9 GB
392 MB used 14.5 GB free

Storage sense

Windows can automatically free up space by getting rid of files you don't need, like temporary files and content in your recycle bin

On

Change how we free up space

More storage settings

Change where new content is saved

Manage Storage Spaces

Keep clutter off your PC

Storage Sense waits to free up space until your PC is low on space. If you want to tidy up files now, select Change how we free up space > Clean now.

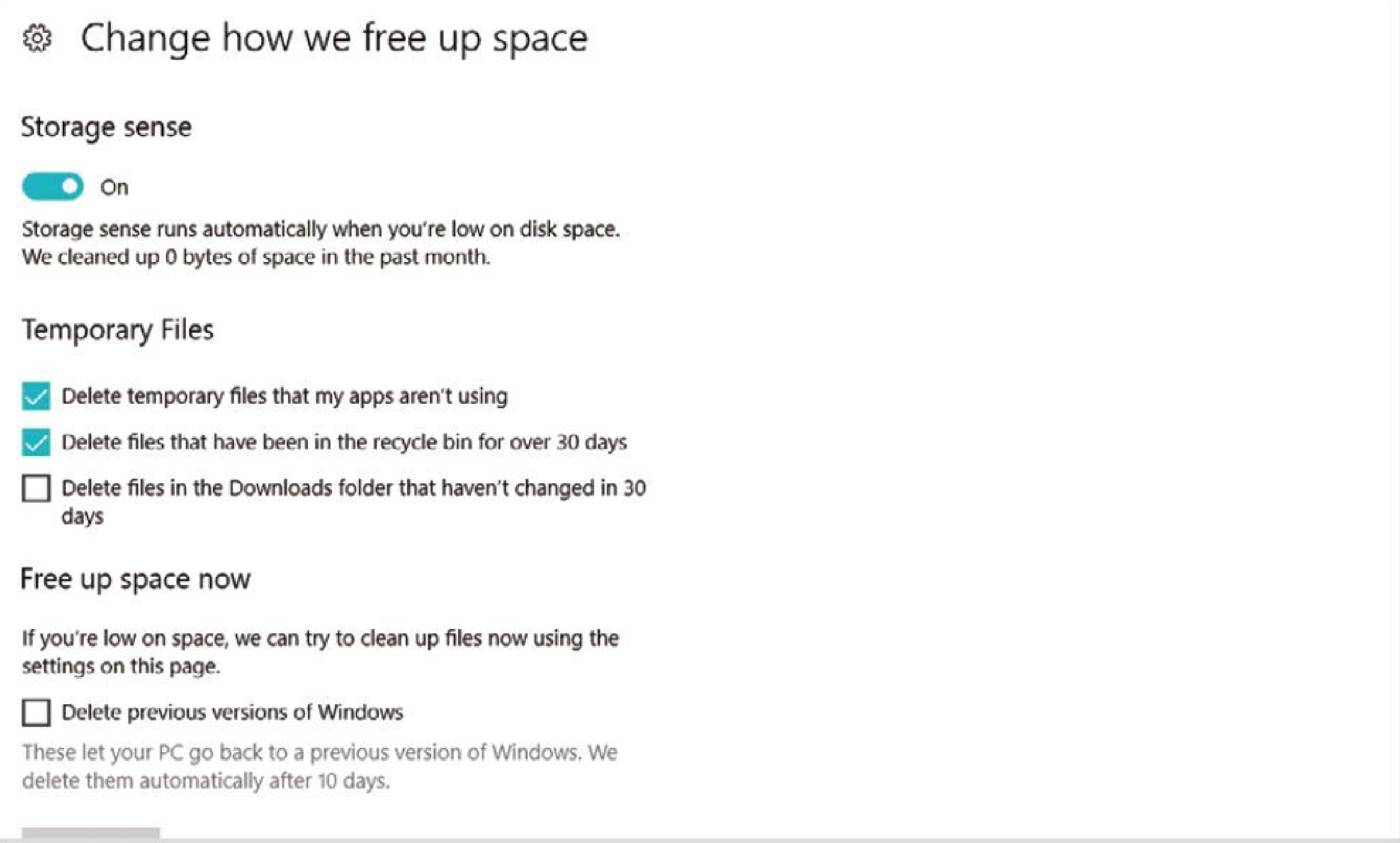
Have a question?

Get help

Make Windows better

Give us feedback

3 You can, within certain limitations, select which items Storage Sense should remove automatically. In Settings > System > Storage, click on the 'Change how we free up space' link below the Storage Sense slider. You can see that there are three different options, which can be combined in any way you like.



Change how we free up space

Storage sense

On

Storage sense runs automatically when you're low on disk space.
We cleaned up 0 bytes of space in the past month.

Temporary Files

☑ Delete temporary files that my apps aren't using
☑ Delete files that have been in the recycle bin for over 30 days
☐ Delete files in the Downloads folder that haven't changed in 30 days

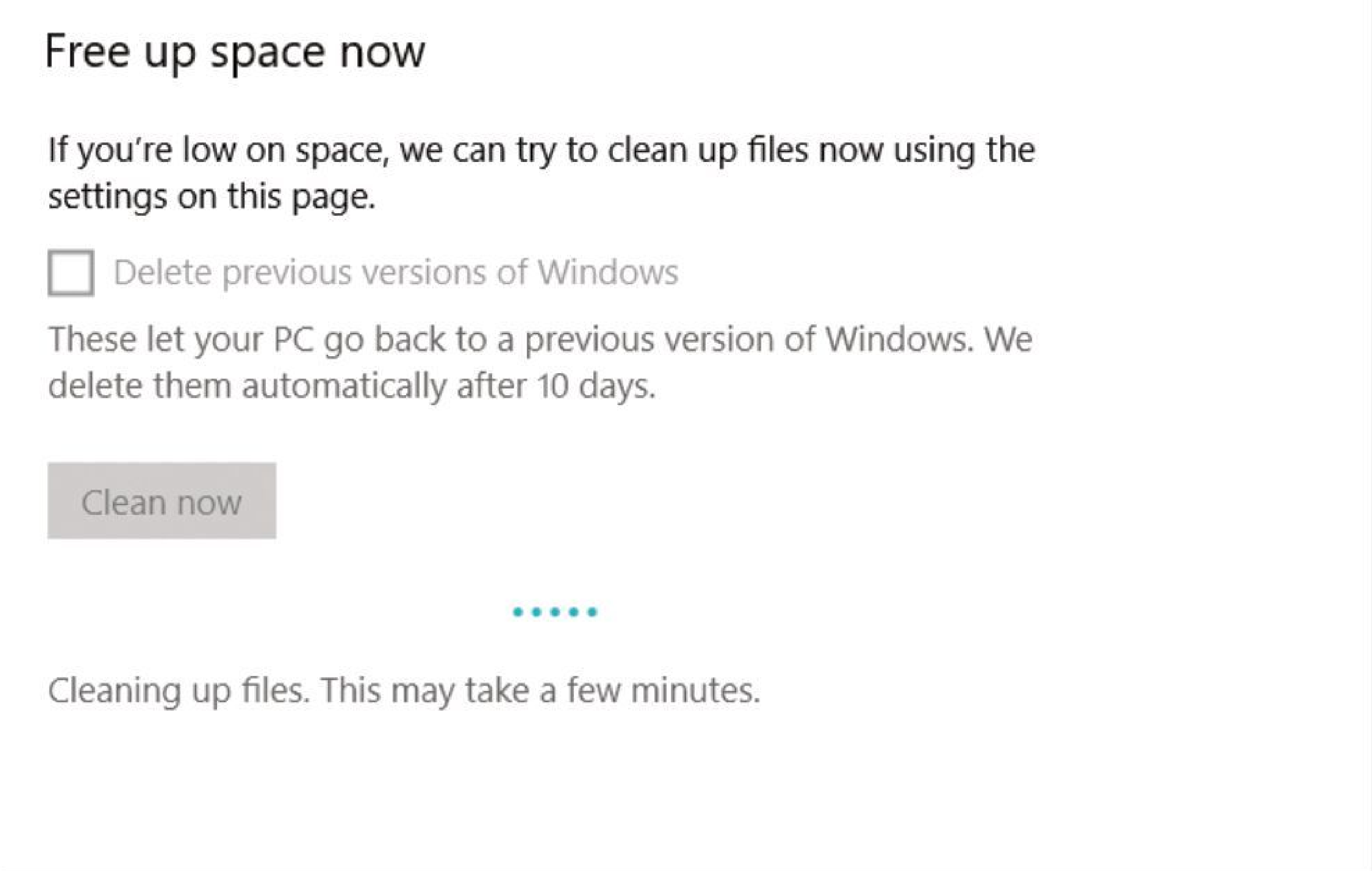
Free up space now

If you're low on space, we can try to clean up files now using the settings on this page.

☐ Delete previous versions of Windows

These let your PC go back to a previous version of Windows. We delete them automatically after 10 days.

4 You can also see the option to 'Delete previous versions of Windows'. These are deleted anyway, but not for several days after an update. If you really need to clear some space, select the option and then just click the Clean Now button and wait for the process to complete.



Free up space now

If you're low on space, we can try to clean up files now using the settings on this page.

☐ Delete previous versions of Windows

These let your PC go back to a previous version of Windows. We delete them automatically after 10 days.

Clean now

Cleaning up files. This may take a few minutes.

Ten Things to Disable in Windows 10

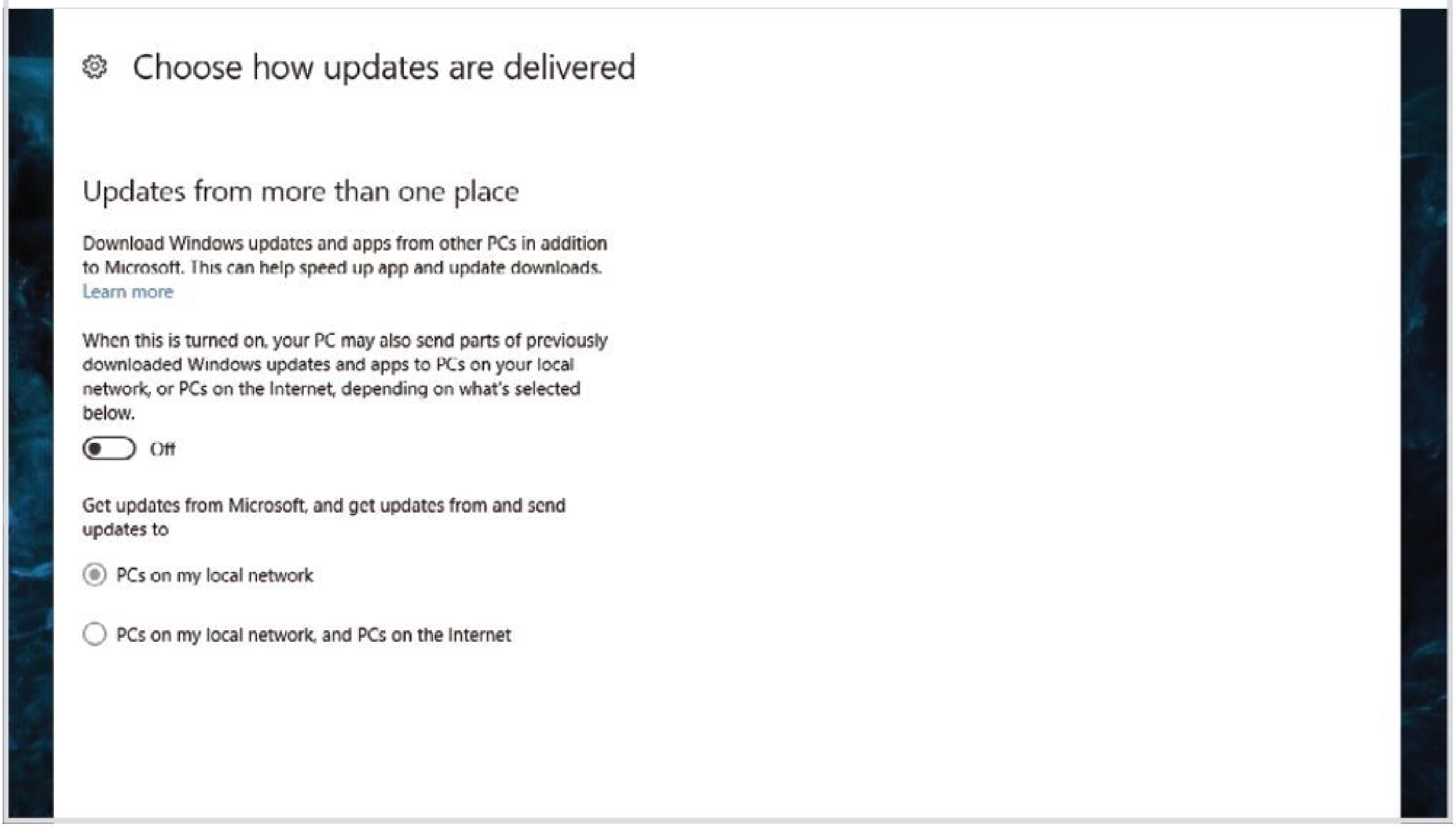
When you install Windows 10 you will possibly activate several features that you won't use or need. Some of these cause no real problems but some can mean a reduction in computing speed and a reduction in security, especially if you're not really aware of what is going on in the background.

Applying Changes

You may not need to apply all of these tips to see an improvement in system speed, and it is actually a good idea to apply one at a time and test the results before trying the next.

File Sharing Updates

Windows 10 features an improved way to receive updates. More specifically, it allows you to get updates from sources other than Microsoft in a sort of file-sharing network. The catch is that your computer is also sharing files. Turn this off in Settings > Update & Security > Advanced options > Choose how updates are delivered.



Choose how updates are delivered

Updates from more than one place

Download Windows updates and apps from other PCs in addition to Microsoft. This can help speed up app and update downloads.
Learn more

When this is turned on, your PC may also send parts of previously downloaded Windows updates and apps to PCs on your local network, or PCs on the Internet, depending on what's selected below.

Off

Get updates from Microsoft, and get updates from and send updates to

● PCs on my local network

○ PCs on my local network, and PCs on the Internet

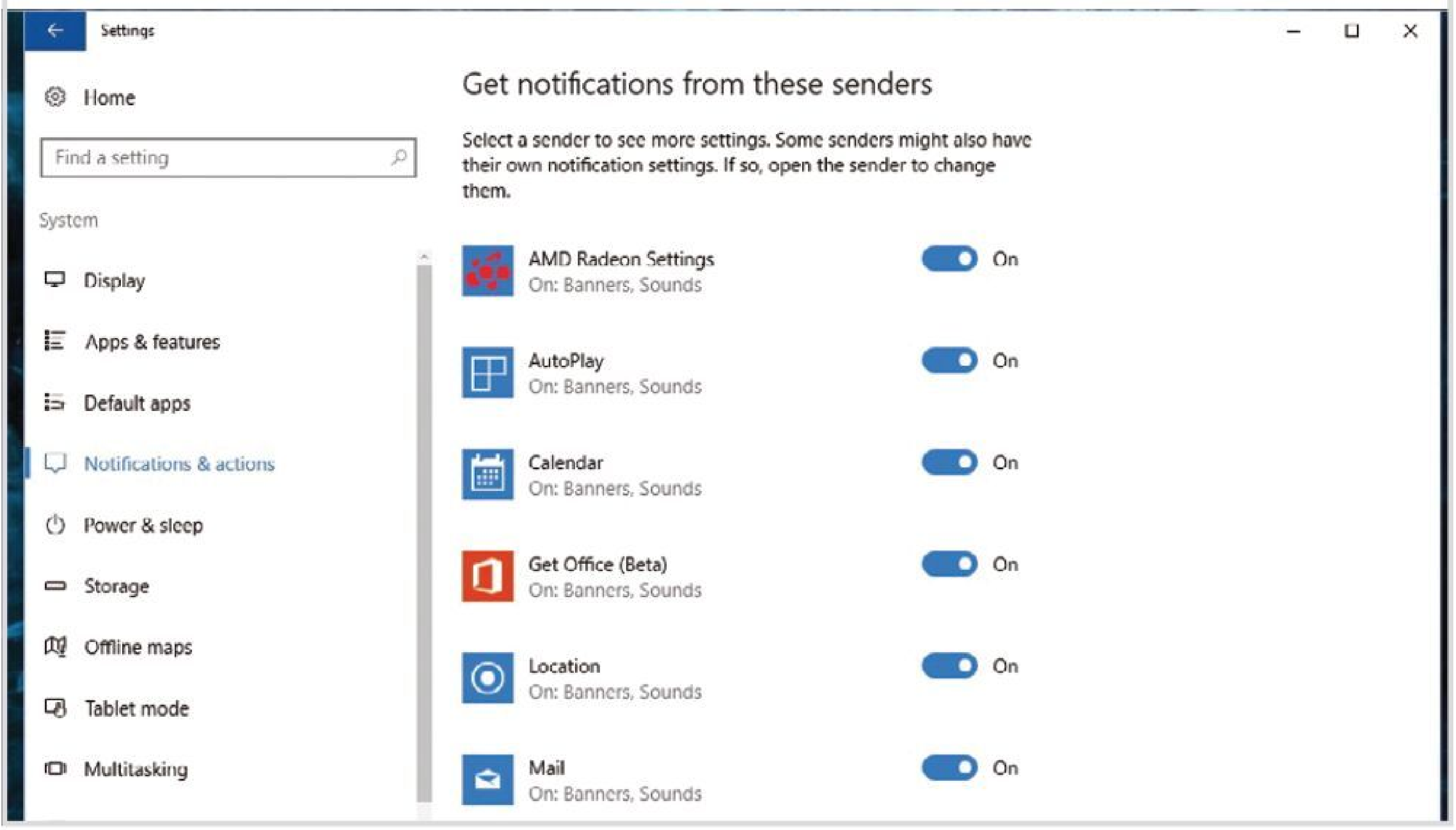
Start Menu Adverts

Part of Microsoft's business model for Windows 10 seems to be selling its apps through the OS. Suggestions for apps you might like will appear in the Start menu and although you can just ignore them, you can also turn them off. Settings > Personalisation > Start > Occasionally show suggestions in Start.

Cortana
F
Feedback Hub
Films & TV
freda
G
Get Office (Beta)
Get Started
GIMP 2
Google Chrome
Google Drive
Groove Music
I
Image Writer
Thursday 24
Mail
GIMP 2
Microsoft Edge
Photos
Cortana
Google Drive
Mostly Cloudy
11°
11°
8°
London
Phone Compa...
OneNote
OpenOffice Writer
Rename this to whatever you want...
Xbox
DJ-MANKEY @ Vocal Deep... Unknown Artist Unknown Alb...
Groove Music
Films & TV
Living standards 'worst since the war'

Unwanted Notifications

Notifications are generally, but not always, a good thing. Windows 10 does a good job of letting you know what is going on with your PC but sometimes you can get notification overload. You can turn some of the less useful ones off in Settings > System > Notifications & actions. Turn off things like: Show me tips about Windows.


Settings
Home
Find a setting
System
Display
Apps & features
Default apps
Notifications & actions
Power & sleep
Storage
Offline maps
Tablet mode
Multitasking

Get notifications from these senders

Select a sender to see more settings. Some senders might also have their own notification settings. If so, open the sender to change them.

AMD Radeon Settings — On: Banners, Sounds — On

AutoPlay — On: Banners, Sounds — On

Calendar — On: Banners, Sounds — On

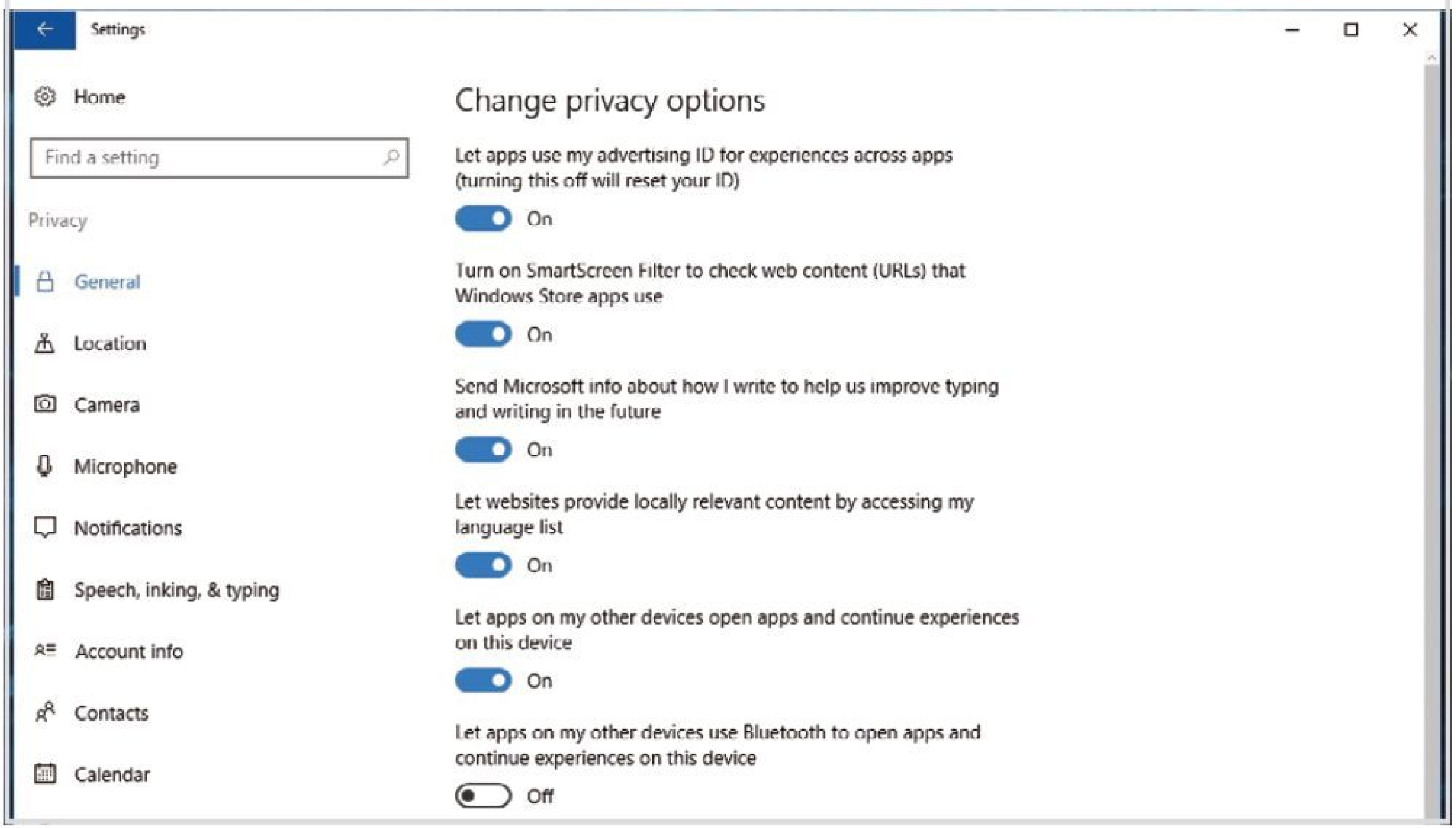
Get Office (Beta) — On: Banners, Sounds — On

Location — On: Banners, Sounds — On

Mail — On: Banners, Sounds — On

Targeted Adverts

Every Microsoft account now has an advertiser ID tied to it, allowing Microsoft and third-party partners to deliver targeted adverts. You can turn this information sharing off by going to Settings > Privacy > General > Let my apps use my advertising ID for experiences across apps (turning this off will reset your ID).


Settings
Home
Find a setting
Privacy
General
Location
Camera
Microphone
Notifications
Speech, inking, & typing
Account info
Contacts
Calendar

Change privacy options

Let apps use my advertising ID for experiences across apps (turning this off will reset your ID)
On

Turn on SmartScreen Filter to check web content (URLs) that Windows Store apps use
On

Send Microsoft info about how I write to help us improve typing and writing in the future
On

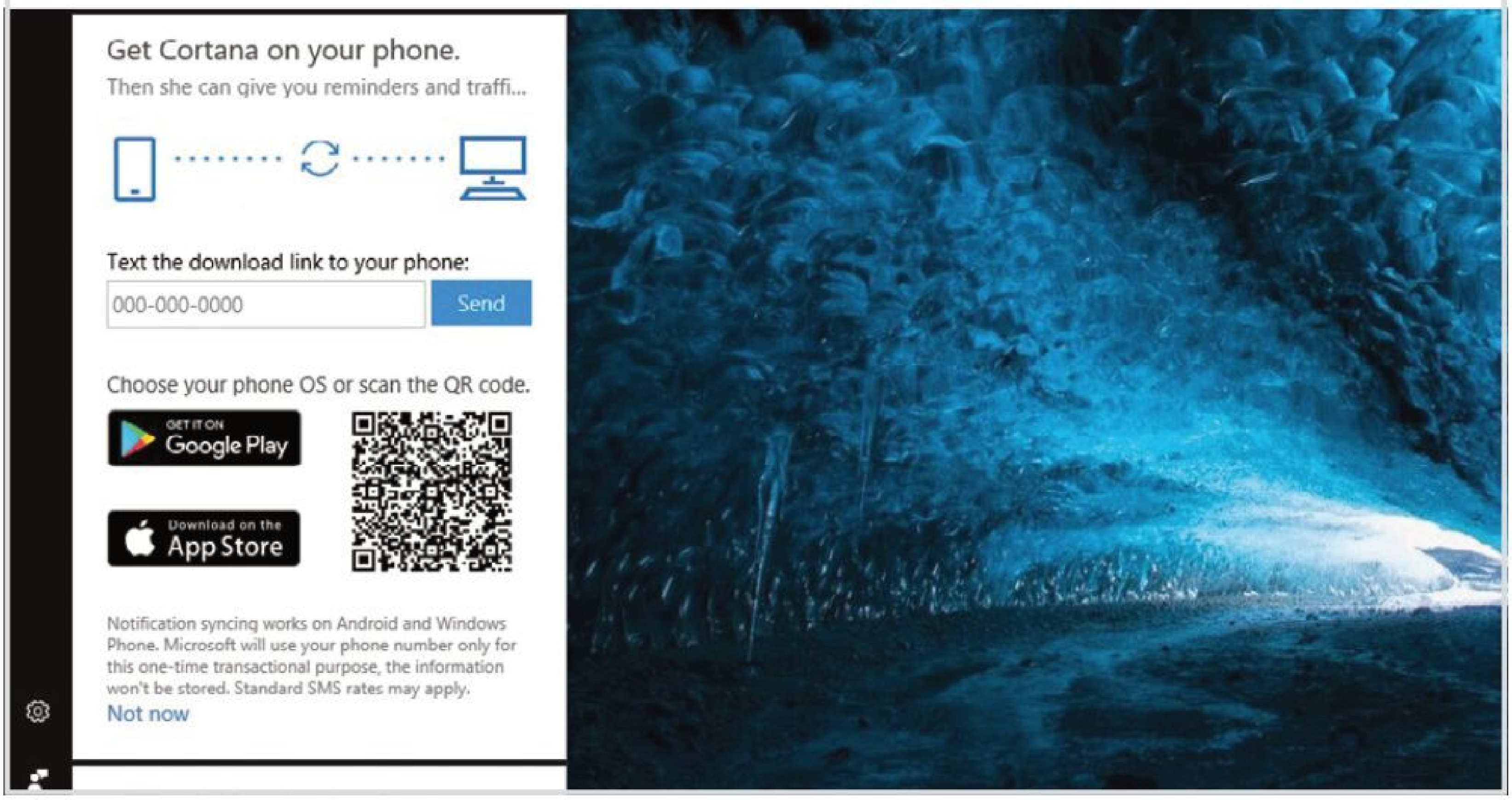
Let websites provide locally relevant content by accessing my language list
On

Let apps on my other devices open apps and continue experiences on this device
On

Let apps on my other devices use Bluetooth to open apps and continue experiences on this device
Off

Getting to Know You

To better answer your queries, Cortana is constantly learning about you in a process called Getting to Know You. This includes typing history and speech patterns. If you find this invasion of privacy a little creepy, you can turn it off in Settings > Privacy > Speech, inking & typing, and clicking Stop getting to know me.


Get Cortana on your phone.
Then she can give you reminders and traffi...

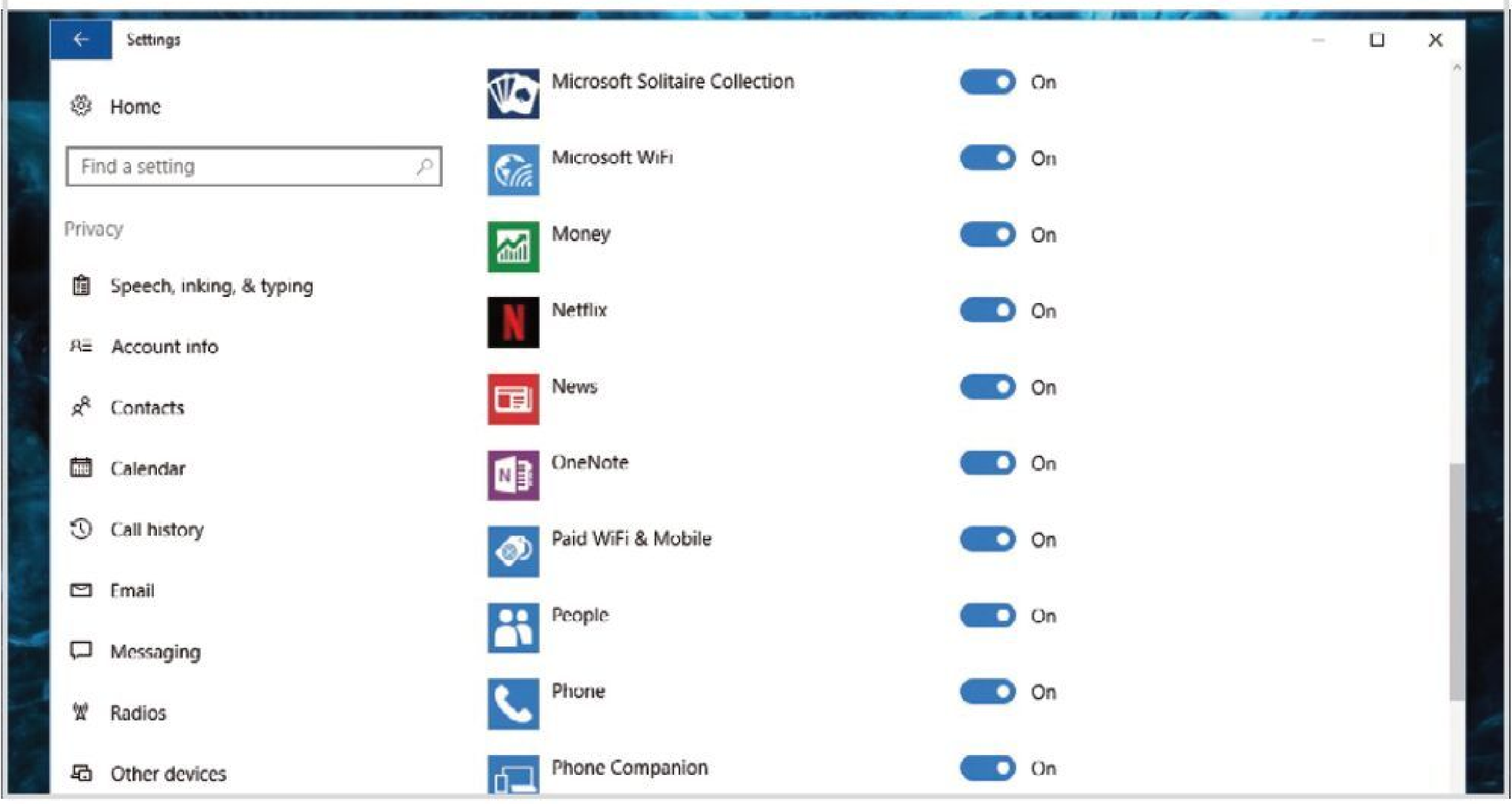
Text the download link to your phone:
000-000-0000

Choose your phone OS or scan the QR code.

Notification syncing works on Android and Windows Phone. Microsoft will use your phone number only for this one-time transactional purpose, the information won't be stored. Standard SMS rates may apply.
Send
GET IT ON Google Play
Download on the App Store
Not now

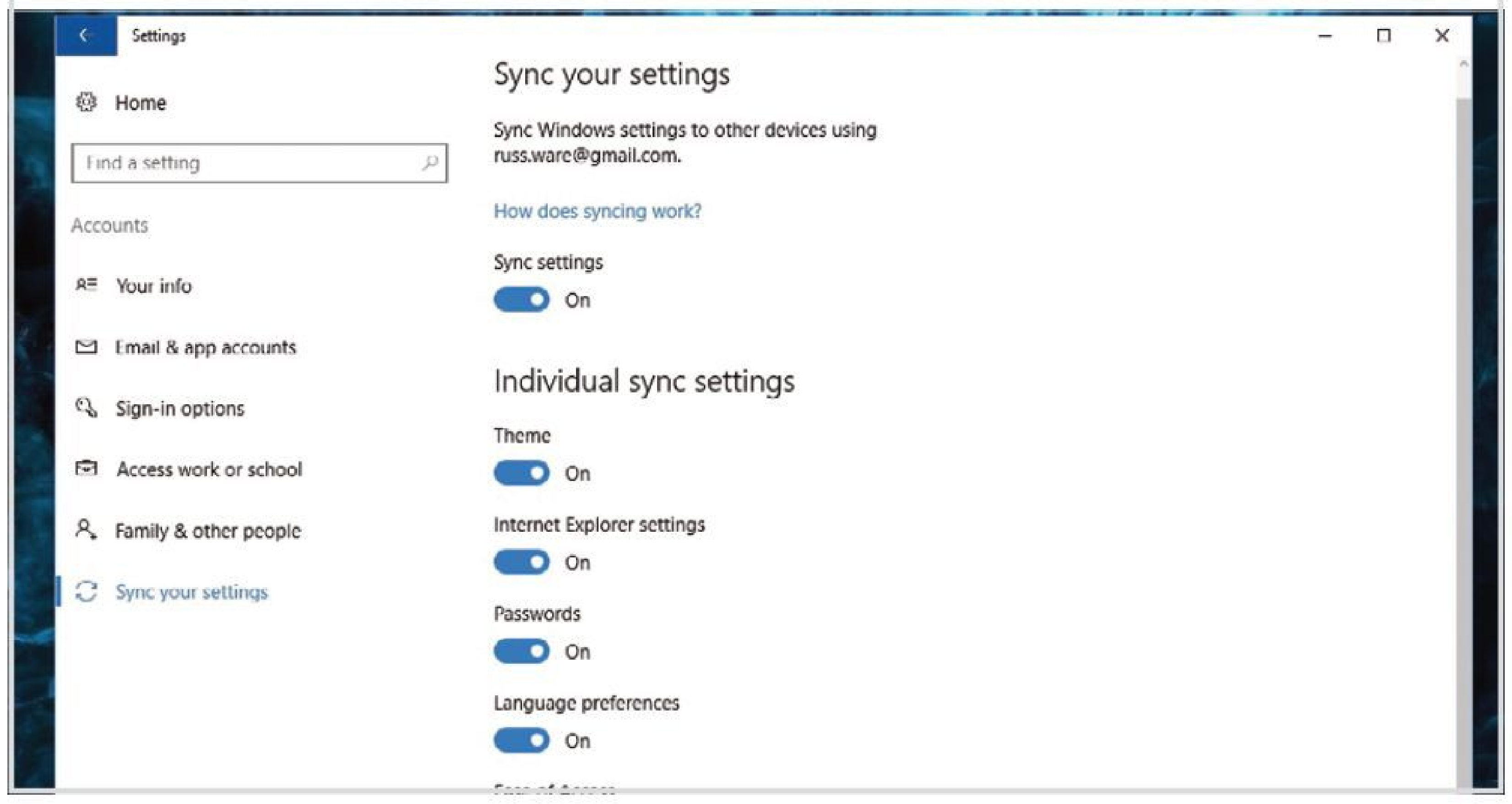
Background Apps

In Windows 10 many apps will run in the background. These apps can receive information, send notifications, download and install updates and otherwise eat up your bandwidth and your battery life. You can, however, disable this feature in Settings > Privacy > Background apps. You can turn off each app individually.


Microsoft Solitaire Collection: On
Microsoft WiFi: On
Money: On
Netflix: On
News: On
OneNote: On
Paid WiFi & Mobile: On
People: On
Phone: On
Phone Companion: On
Settings
Home
Find a setting
Privacy
Speech, inking, & typing
Account info
Contacts
Calendar
Call history
Email
Messaging
Radios
Other devices

Windows 10 Syncing

Windows 10, upon the default install, does a lot of syncing with your other Windows devices. If you use several different Microsoft devices and don't want everything shared between them, you can disable syncing in Settings > Accounts > Sync your settings. You can selectively turn off specific sync settings.


Sync your settings

Sync Windows settings to other devices using russ.ware@gmail.com.

How does syncing work?

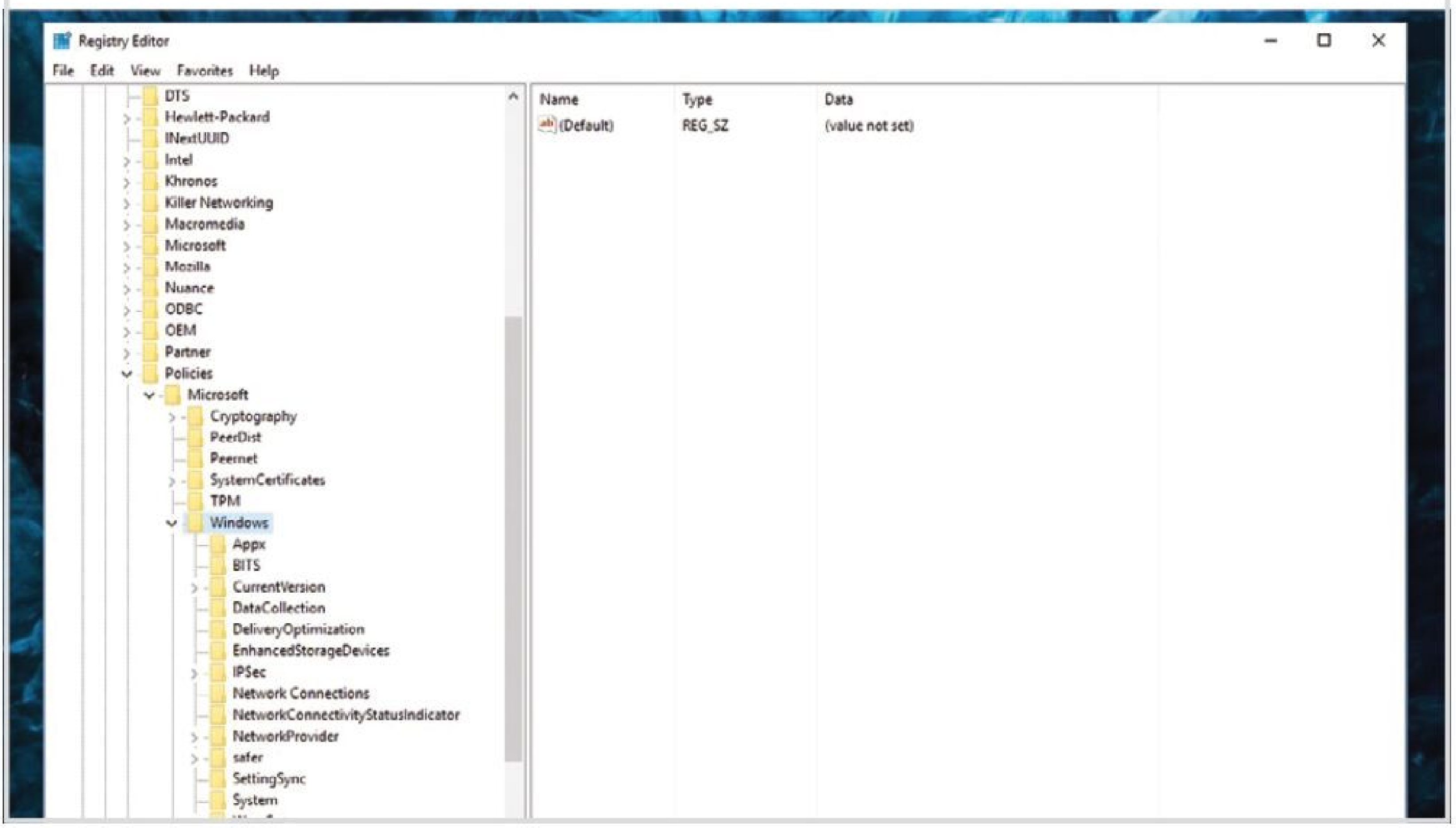
Sync settings: On

Individual sync settings

Theme: On
Internet Explorer settings: On
Passwords: On
Language preferences: On
Settings
Home
Find a setting
Accounts
Your info
Email & app accounts
Sign-in options
Access work or school
Family & other people
Sync your settings

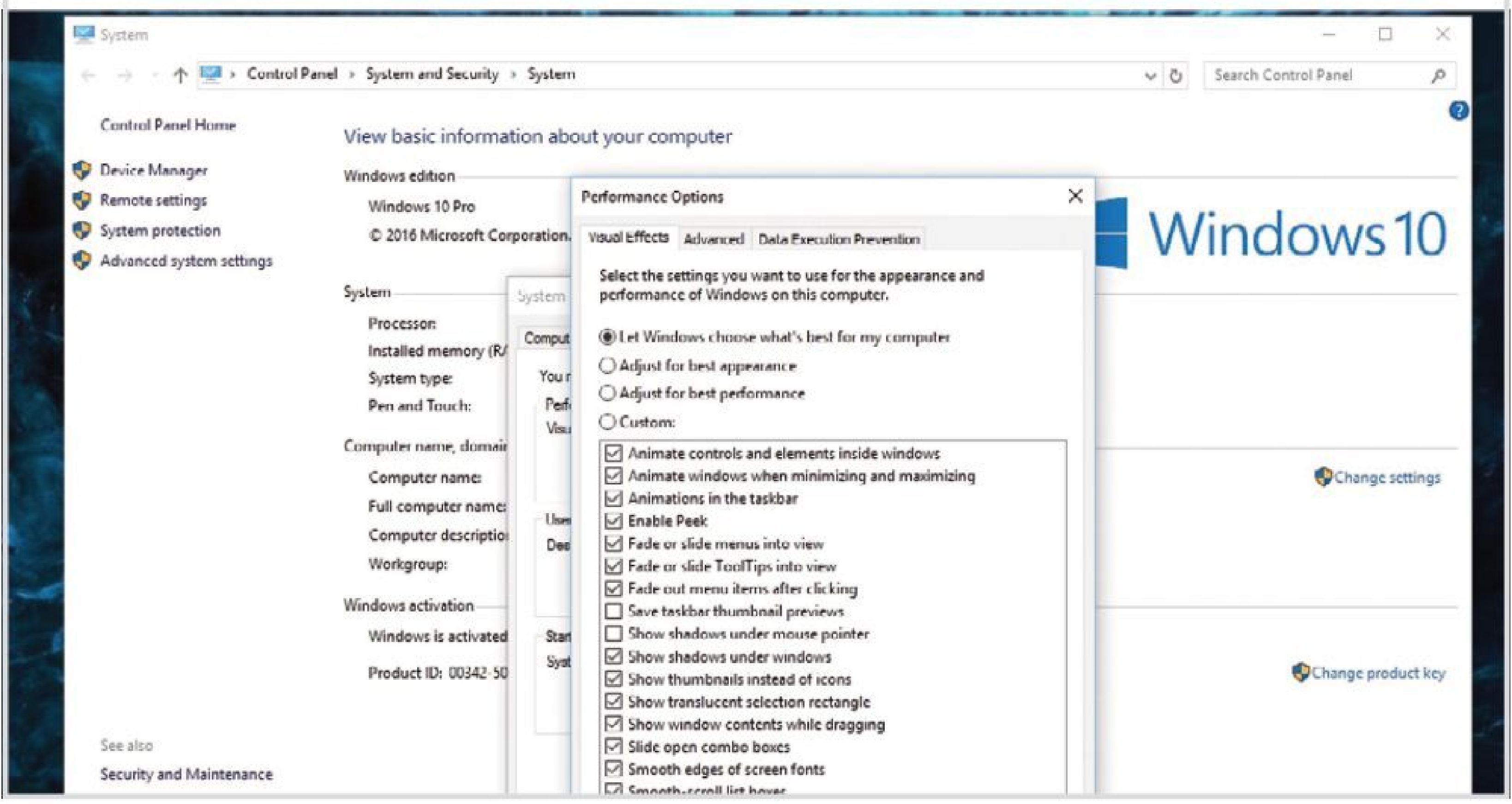
The Lock Screen

The lock screen in Windows 10 can be a useful feature but it also has the potential of getting in the way and slowing you down. You can disable the lock screen but it does mean delving into the Windows Registry. To access the registry, press the Windows key + R and enter 'regedit'.


Name	Type	Data
(Default)	REG_SZ	(value not set)
Registry Editor
File Edit View Favorites Help
DTS
Hewlett-Packard
INextUUID
Intel
Khronos
Killer Networking
Macromedia
Microsoft
Mozilla
Nuance
ODBC
OEM
Partner
Policies
Microsoft
Cryptography
PeerDist
Peernet
SystemCertificates
TPM
Windows
Appx
BITS
CurrentVersion
DataCollection
DeliveryOptimization
EnhancedStorageDevices
IPSec
Network Connections
NetworkConnectivityStatusIndicator
NetworkProvider
safer
SettingSync
System

The Visual Interface

The visual effects in Windows 10 go a long way towards making the OS look modern and smooth. However, every pretty visual element has an effect on the running of your computer. Right-click the Start button and go in to System > Advanced system settings. Under the Advanced tab, go to Performance and click Settings.


View basic information about your computer

Windows edition
Windows 10 Pro
© 2016 Microsoft Corporation.

Windows activation
Windows is activated
Product ID: 00342-50

Performance Options

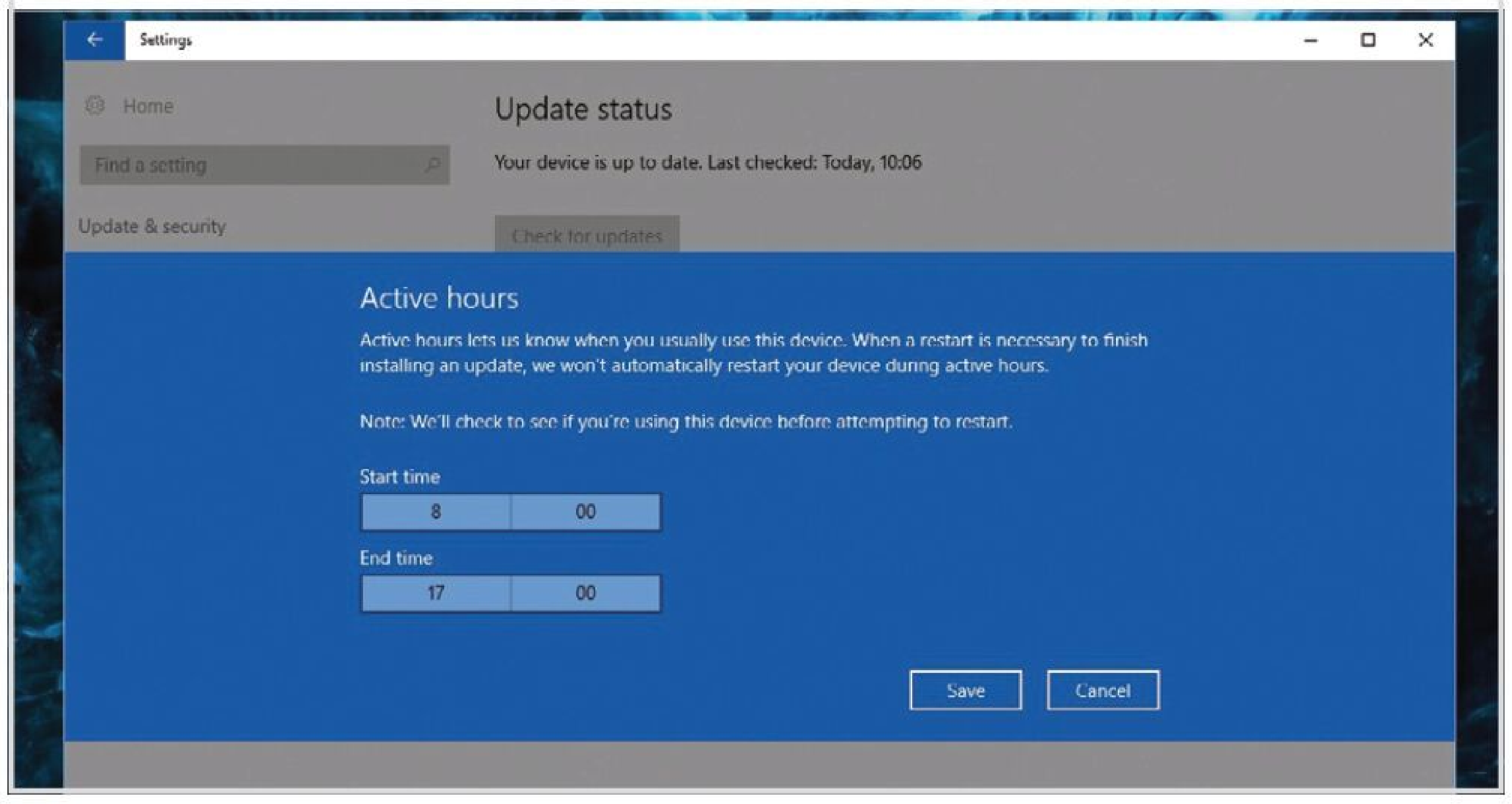
Select the settings you want to use for the appearance and performance of Windows on this computer.

● Let Windows choose what's best for my computer
○ Adjust for best appearance
○ Adjust for best performance
○ Custom:

☑ Animate controls and elements inside windows
☑ Animate windows when minimizing and maximizing
☑ Animations in the taskbar
☑ Enable Peek
☑ Fade or slide menus into view
☑ Fade or slide ToolTips into view
☑ Fade out menu items after clicking
☐ Save taskbar thumbnail previews
☐ Show shadows under mouse pointer
☑ Show shadows under windows
☑ Show thumbnails instead of icons
☑ Show translucent selection rectangle
☑ Show window contents while dragging
☑ Slide open combo boxes
☑ Smooth edges of screen fonts
System
Control Panel > System and Security > System
Search Control Panel
Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings
System
Processor:
Installed memory
System type:
Pen and Touch:
Computer name, domain
Computer name:
Full computer name:
Computer description
Workgroup:
Visual Effects
Advanced
Data Execution Prevention
Windows 10
Change settings
Change product key
See also
Security and Maintenance

Automatic Updates

Windows 10 will download and install updates automatically and you can't really turn them off; but you can choose to stop the updates happening whilst you are using your computer. Head into Settings > Update & Security and click on Change Active Hours. You can then set a time frame in which updates won't happen.


Update status

Your device is up to date. Last checked: Today, 10:06

Active hours

Active hours lets us know when you usually use this device. When a restart is necessary to finish installing an update, we won't automatically restart your device during active hours.

Note: We'll check to see if you're using this device before attempting to restart.

Start time: 8 00
End time: 17 00
Settings
Home
Find a setting
Update & security
Check for updates
Save
Cancel

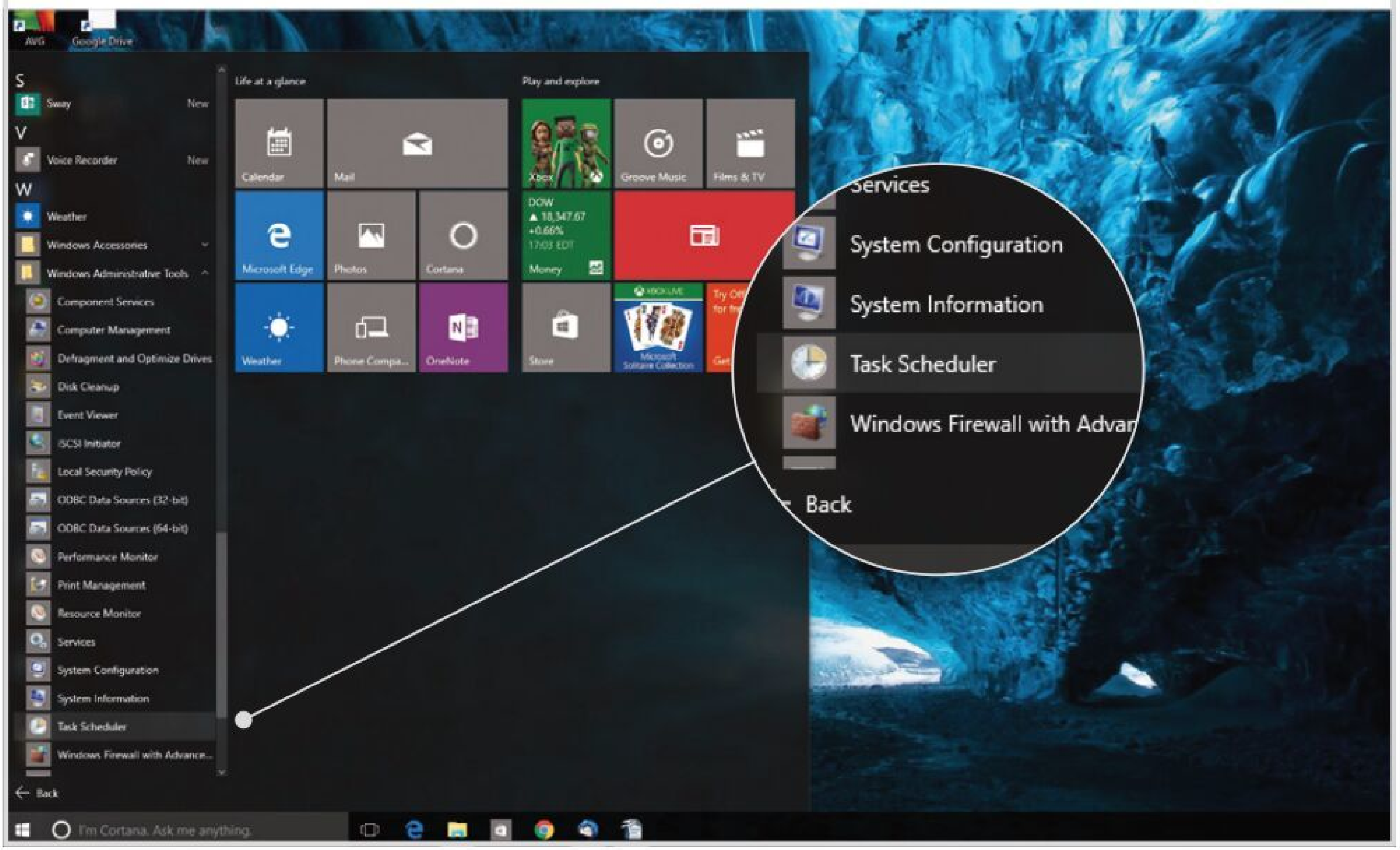
Using the Task Scheduler

The Task Scheduler in Windows 10 is, in many ways, very similar to that found in older versions of the OS. However, in Windows 10, Battery Saver Mode can impact on how it operates (if using a laptop). This guide looks at how the new scheduler works and how we can modify its use.

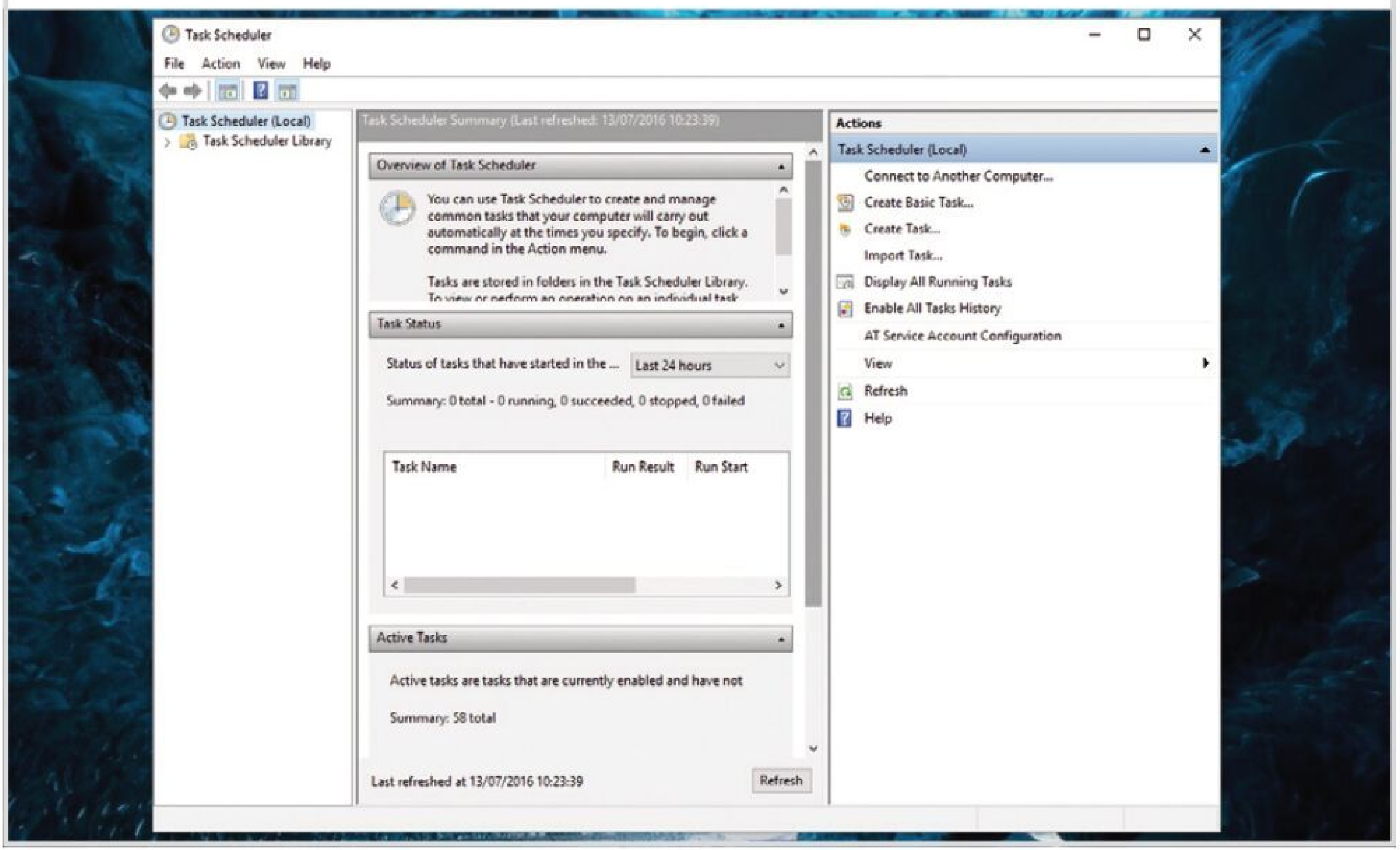
Scheduling New Tasks

The Task Scheduler can be a very powerful tool for increasing automation in Windows 10. Let's take a quick look at exactly how to use the Windows 10 Task Scheduler in normal day-to-day PC operation.

1 Search for "Task Scheduler" in the Cortana search pane or navigate to it in Start menu > All Apps > Windows Administrative Tools > Task Scheduler. The simple scheduler window will now open. This is split into three sections: Scheduler Library, Scheduler Summary and Actions.


Services
System Configuration
System Information
Task Scheduler
Windows Firewall with Advar
Back

2 You have three main options for adding new tasks to the schedule: Create Basic Task, Create Task and Import Task. For now we will stick to creating a Basic Task. You can start the process by clicking in the Action panel or using the Action menu in the menu bar of the window.


Task Scheduler
File Action View Help
Task Scheduler (Local)
Task Scheduler Library
Task Scheduler Summary (Last refreshed: 13/07/2016 10:23:39)
Overview of Task Scheduler
Task Status
Last 24 hours
Task Name
Run Result
Run Start
Active Tasks
Refresh
Actions
Task Scheduler (Local)
Connect to Another Computer...
Create Basic Task...
Create Task...
Import Task...
Display All Running Tasks
Enable All Tasks History
AT Service Account Configuration
View
Refresh
Help

You can use Task Scheduler to create and manage common tasks that your computer will carry out automatically at the times you specify. To begin, click a command in the Action menu.

Tasks are stored in folders in the Task Scheduler Library. To view or perform an operation on an individual task

Status of tasks that have started in the ...

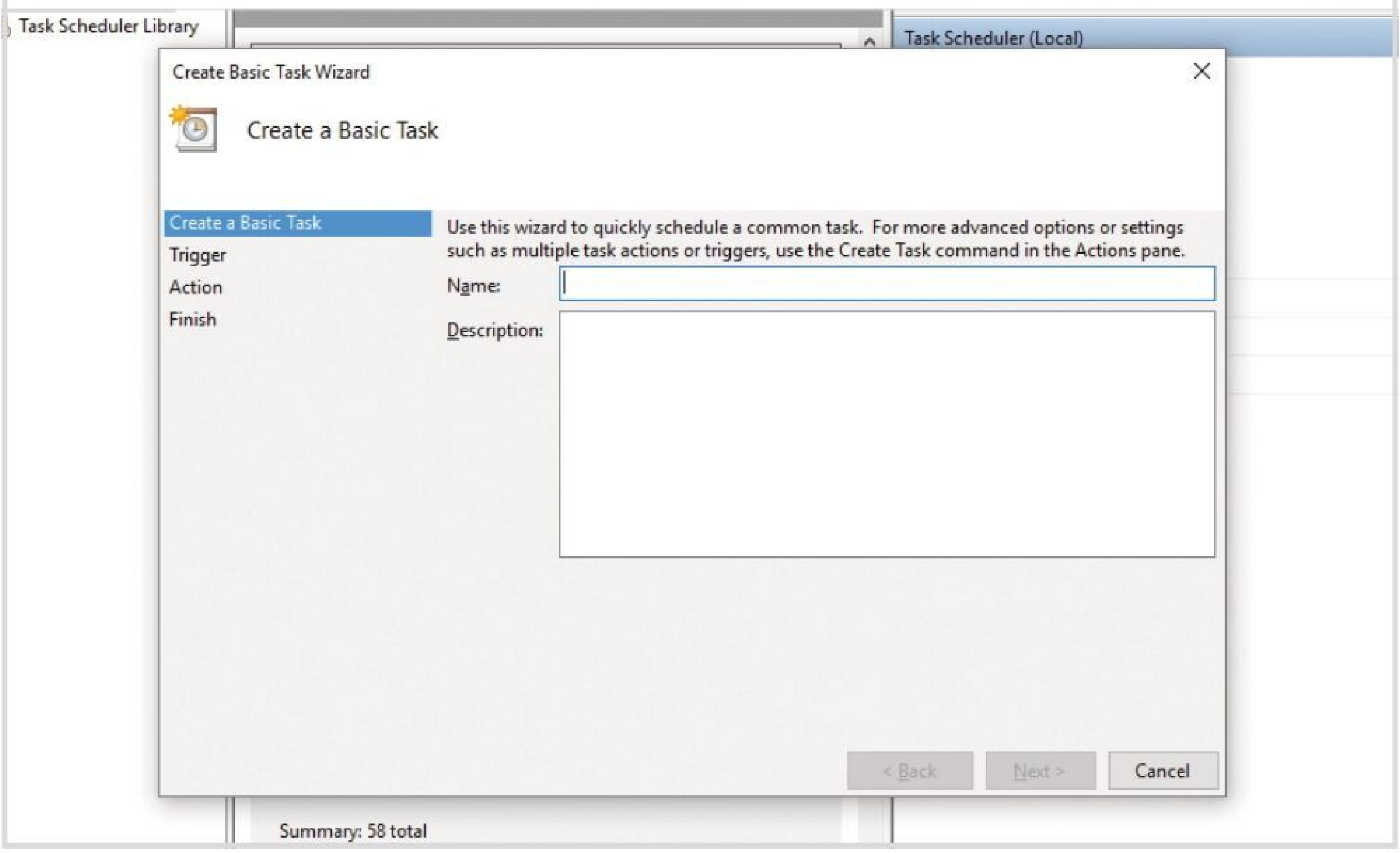
Summary: 0 total - 0 running, 0 succeeded, 0 stopped, 0 failed

Active tasks are tasks that are currently enabled and have not

Summary: 58 total

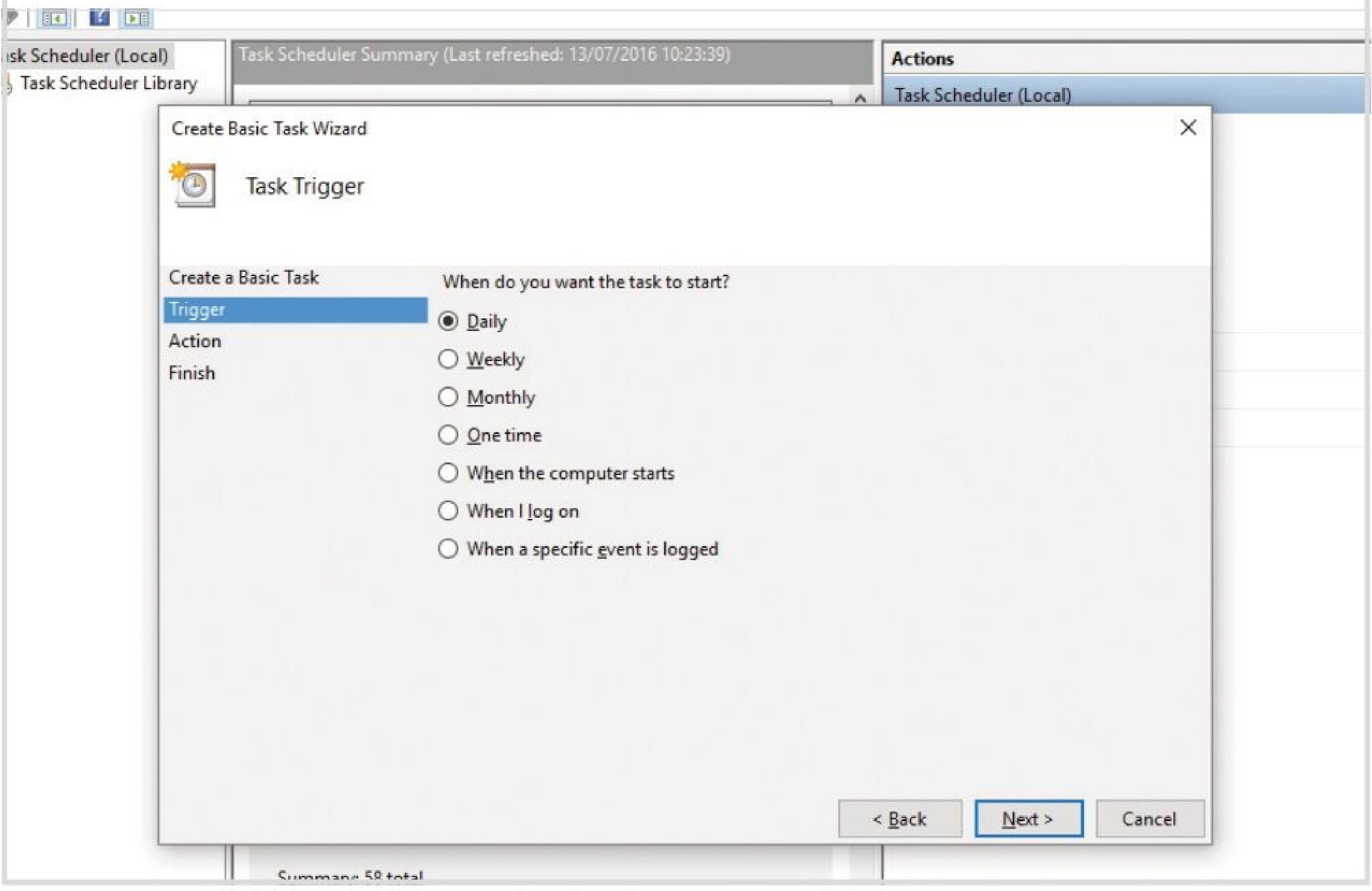
Last refreshed at 13/07/2016 10:23:39

3 The Basic Task wizard will now open. Give your task a name and description (optional) and click Next. You now need to choose the trigger. This can be set to happen daily, weekly or monthly, to happen just once. You can choose starting or logging on to your PC as a trigger also.


Task Scheduler Library
Task Scheduler (Local)
Create Basic Task Wizard
Create a Basic Task
Create a Basic Task
Trigger
Action
Finish
Name:
Description:
< Back
Next >
Cancel
Summary: 58 total

Use this wizard to quickly schedule a common task. For more advanced options or settings such as multiple task actions or triggers, use the Create Task command in the Actions pane.

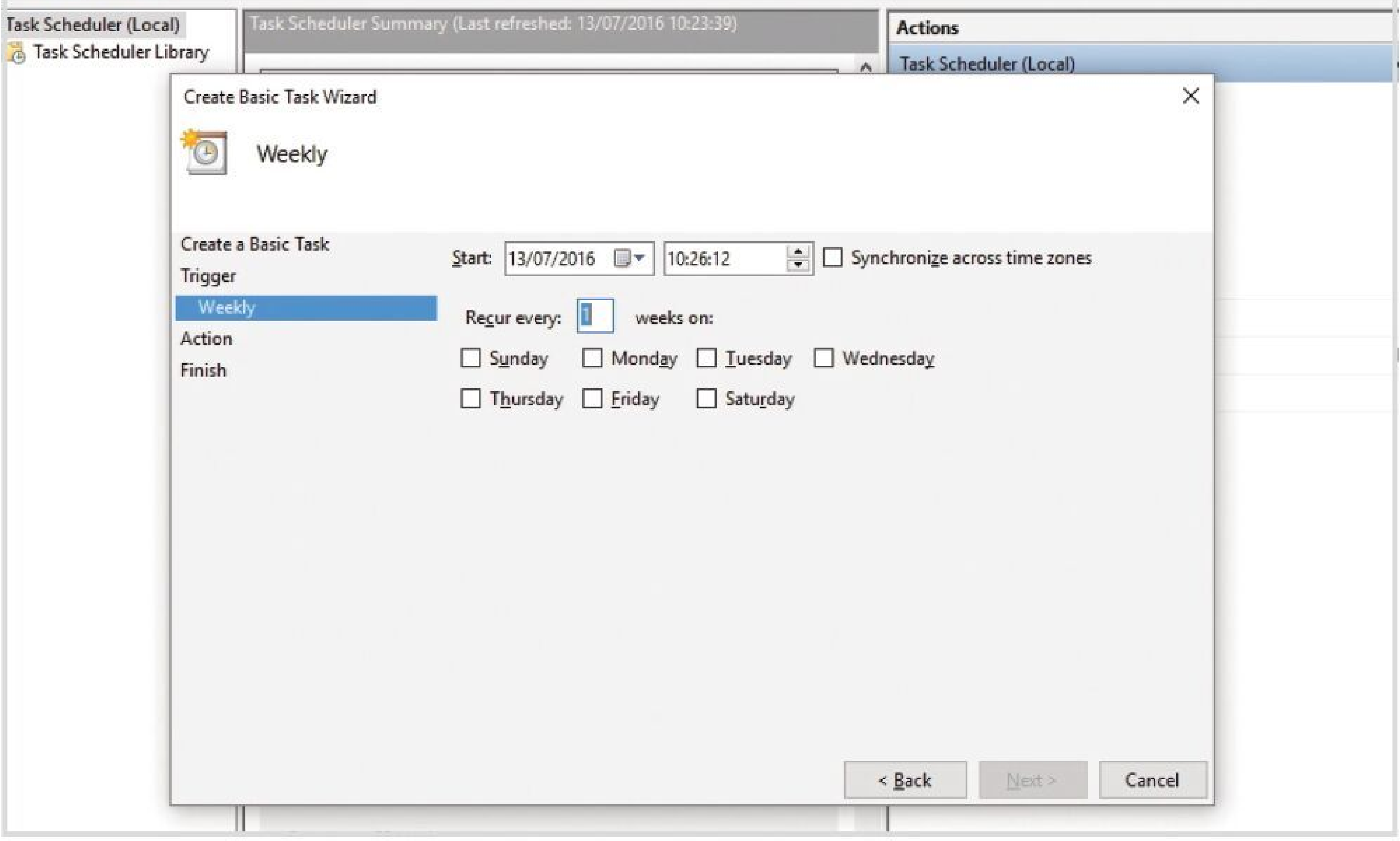
4 If you choose daily, weekly, etc. you will need to set further time options when you click Next. If you chose the final trigger option, When a specific event is logged, you will see a set of drop down menus. Here you can choose the event log, source and give the event an ID.


sk Scheduler (Local)
Task Scheduler Library
Task Scheduler Summary (Last refreshed: 13/07/2016 10:23:39)
Actions
Task Scheduler (Local)
Create Basic Task Wizard
Task Trigger
Create a Basic Task
Trigger
Action
Finish
< Back
Next >
Cancel
Summary: 58 total

When do you want the task to start?

● Daily
○ Weekly
○ Monthly
○ One time
○ When the computer starts
○ When I log on
○ When a specific event is logged

5 For now let's stick to a timed trigger. Choose Weekly and click Next. Use the various boxes to choose when the task starts and how it should recur from then on. Click Next to continue. You now need to choose the Action being triggered by your choices in the previous steps.


Task Scheduler (Local)
Task Scheduler Library
Task Scheduler Summary (Last refreshed: 13/07/2016 10:23:39)
Actions
Task Scheduler (Local)
Create Basic Task Wizard
Weekly
Create a Basic Task
Trigger
Weekly
Action
Finish
< Back
Next >
Cancel

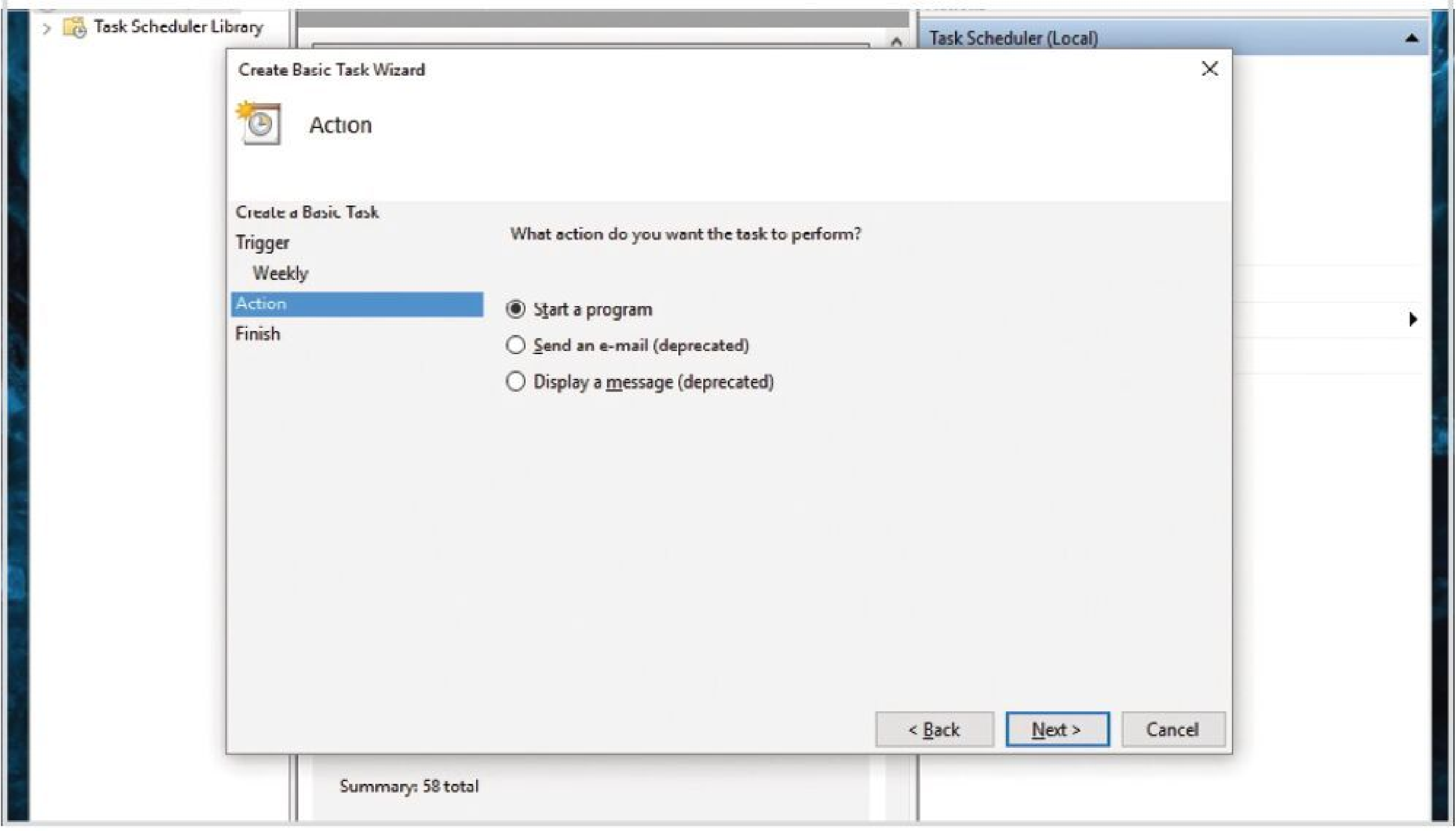
Start: 13/07/2016 10:26:12 ☐ Synchronize across time zones

Recur every: 1 weeks on:

☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday

☐ Thursday ☐ Friday ☐ Saturday

6 The main action is Start a Program or app but you can also choose to send an email or display a message. If you choose to send an email, you will then need to complete things like recipient address and the message itself. If you choose to display a message, you will need to write it.


Task Scheduler Library
Task Scheduler (Local)
Create Basic Task Wizard
Action
Create a Basic Task
Trigger
Weekly
Action
Finish
< Back
Next >
Cancel
Summary: 58 total

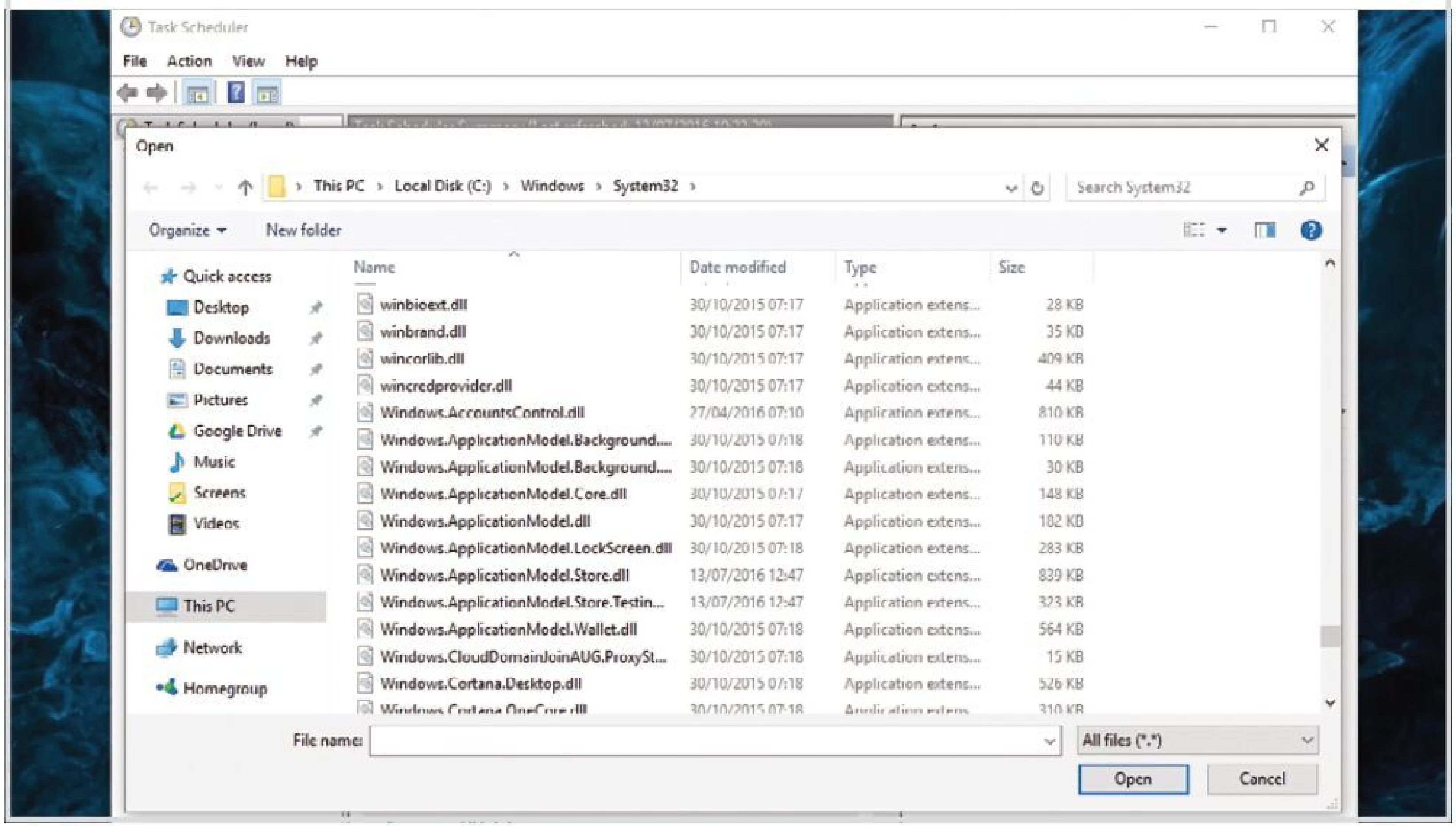
What action do you want the task to perform?

● Start a program

○ Send an e-mail (deprecated)

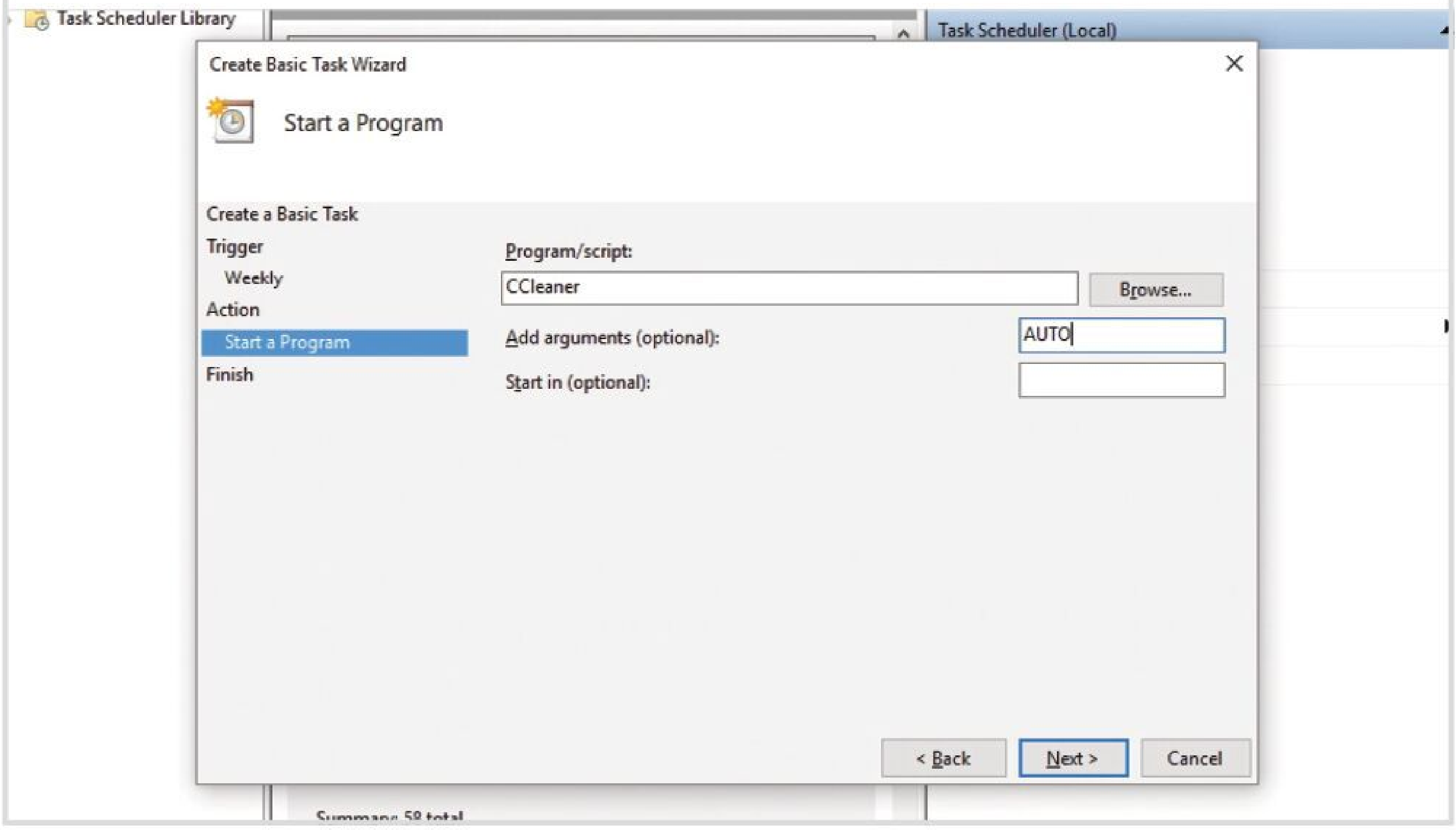
○ Display a message (deprecated)

7 For this guide, we will look at starting a program. You can now type the name of the program or script in the Program/Script field. If you prefer you can click Browse and search through available programs to find the one you want to start. You are looking for .exe (executable) files here.


Task Scheduler
File
Action
View
Help
Open
This PC › Local Disk (C:) › Windows › System32 ›
Search System32
Organize
New folder
Quick access
Desktop
Downloads
Documents
Pictures
Google Drive
Music
Screens
Videos
OneDrive
This PC
Network
Homegroup
File name:
All files (*.*)
Open
Cancel

Name	Date modified	Type	Size
winbioext.dll	30/10/2015 07:17	Application extens...	28 KB
winbrand.dll	30/10/2015 07:17	Application extens...	35 KB
wincorlib.dll	30/10/2015 07:17	Application extens...	409 KB
wincredprovider.dll	30/10/2015 07:17	Application extens...	44 KB
Windows.AccountsControl.dll	27/04/2016 07:10	Application extens...	810 KB
Windows.ApplicationModel.Background....	30/10/2015 07:18	Application extens...	110 KB
Windows.ApplicationModel.Background....	30/10/2015 07:18	Application extens...	30 KB
Windows.ApplicationModel.Core.dll	30/10/2015 07:17	Application extens...	148 KB
Windows.ApplicationModel.dll	30/10/2015 07:17	Application extens...	182 KB
Windows.ApplicationModel.LockScreen.dll	30/10/2015 07:18	Application extens...	283 KB
Windows.ApplicationModel.Store.dll	13/07/2016 12:47	Application extens...	839 KB
Windows.ApplicationModel.Store.Testin...	13/07/2016 12:47	Application extens...	323 KB
Windows.ApplicationModel.Wallet.dll	30/10/2015 07:18	Application extens...	564 KB
Windows.CloudDomainJoinAUG.ProxySt...	30/10/2015 07:18	Application extens...	15 KB
Windows.Cortana.Desktop.dll	30/10/2015 07:18	Application extens...	526 KB
Windows.Cortana.OneCore.dll	30/10/2015 07:18	Application extens...	310 KB

8 You can also add optional arguments, which some programs support. For example you can specify the /AUTO argument with CCleaner to automatically run CCleaner on a schedule. The exact arguments supported will differ between programs and if you're not sure, it is best to check.

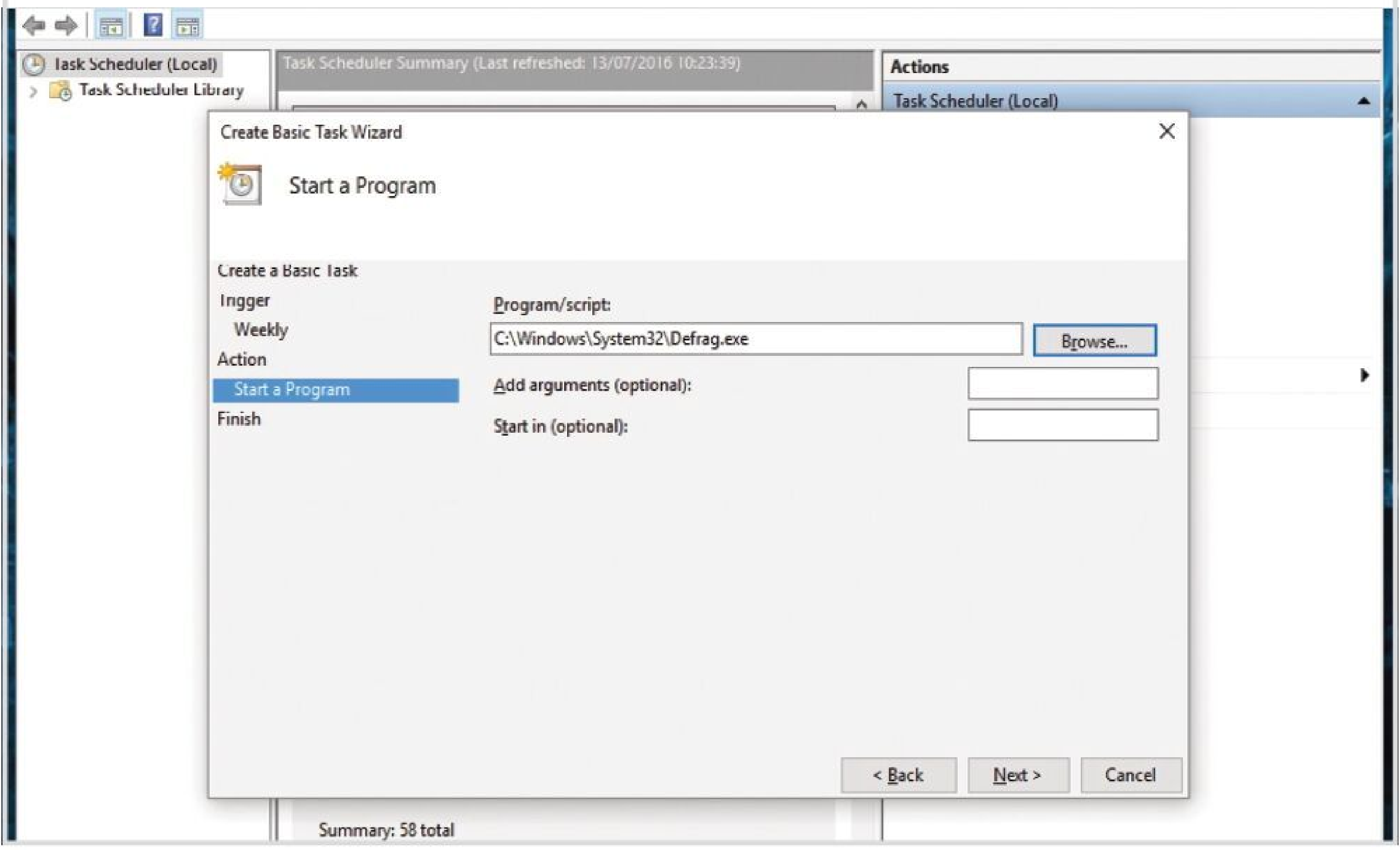

Task Scheduler Library
Task Scheduler (Local)
Create Basic Task Wizard
Start a Program
Create a Basic Task
Trigger
Weekly
Action
Start a Program
Finish
Browse...
< Back
Next >
Cancel
Summary: 58 total

Program/script: CCleaner

Add arguments (optional): AUTO

Start in (optional):

9 Get creative. Task Scheduler doesn't just need to be used to run CCleaner or Defrag. If you use a specific program on a regular basis, you can use the Task Scheduler wizard to create a task that opens the program for you automatically according to the schedule you choose.

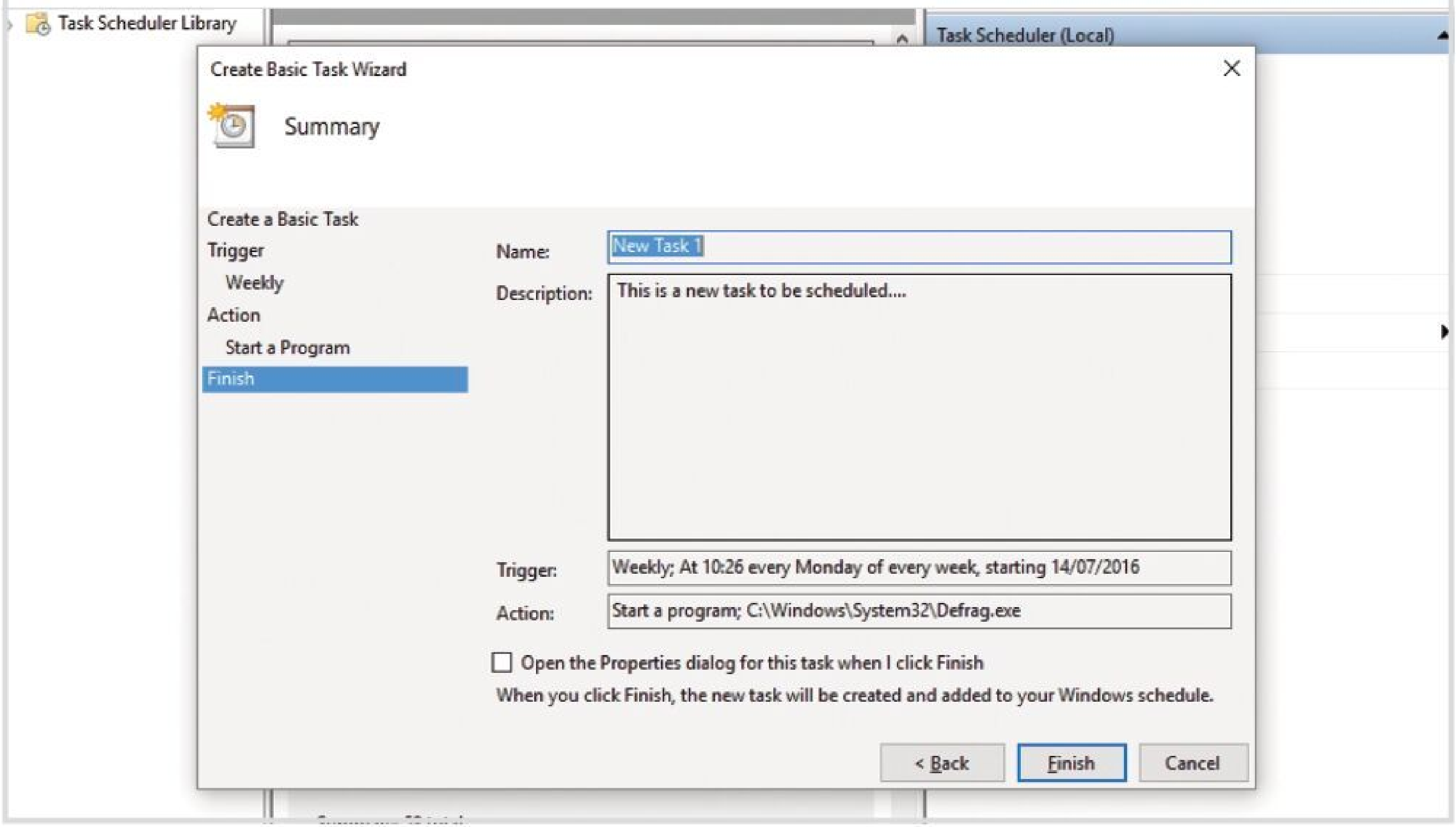

Task Scheduler (Local)
Task Scheduler Library
Task Scheduler Summary (Last refreshed: 13/07/2016 10:23:39)
Actions
Task Scheduler (Local)
Create Basic Task Wizard
Start a Program
Create a Basic Task
Trigger
Weekly
Action
Start a Program
Finish
Browse...
< Back
Next >
Cancel
Summary: 58 total

Program/script: C:\Windows\System32\Defrag.exe

Add arguments (optional):

Start in (optional):

10 You can now review the completed task creation by clicking Finish once. If you are happy with all of the settings, etc. click Finish again. If you want to change anything, use the Back button to navigate to the relevant section. You can also choose to open the Properties after finishing.


Task Scheduler Library
Task Scheduler (Local)
Create Basic Task Wizard
Summary
Create a Basic Task
Trigger
Weekly
Action
Start a Program
Finish
< Back
Finish
Cancel

Name: New Task 1

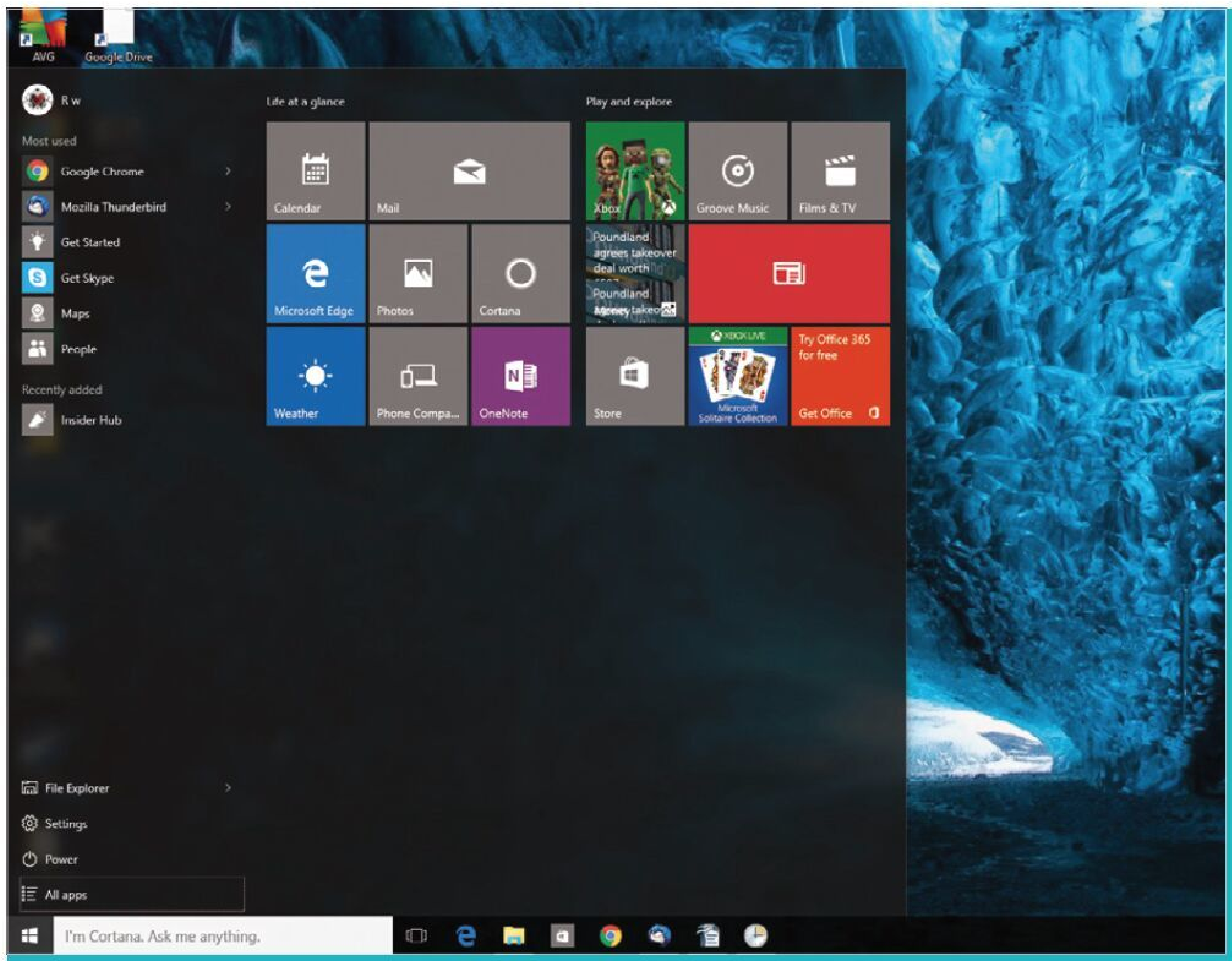
Description: This is a new task to be scheduled....

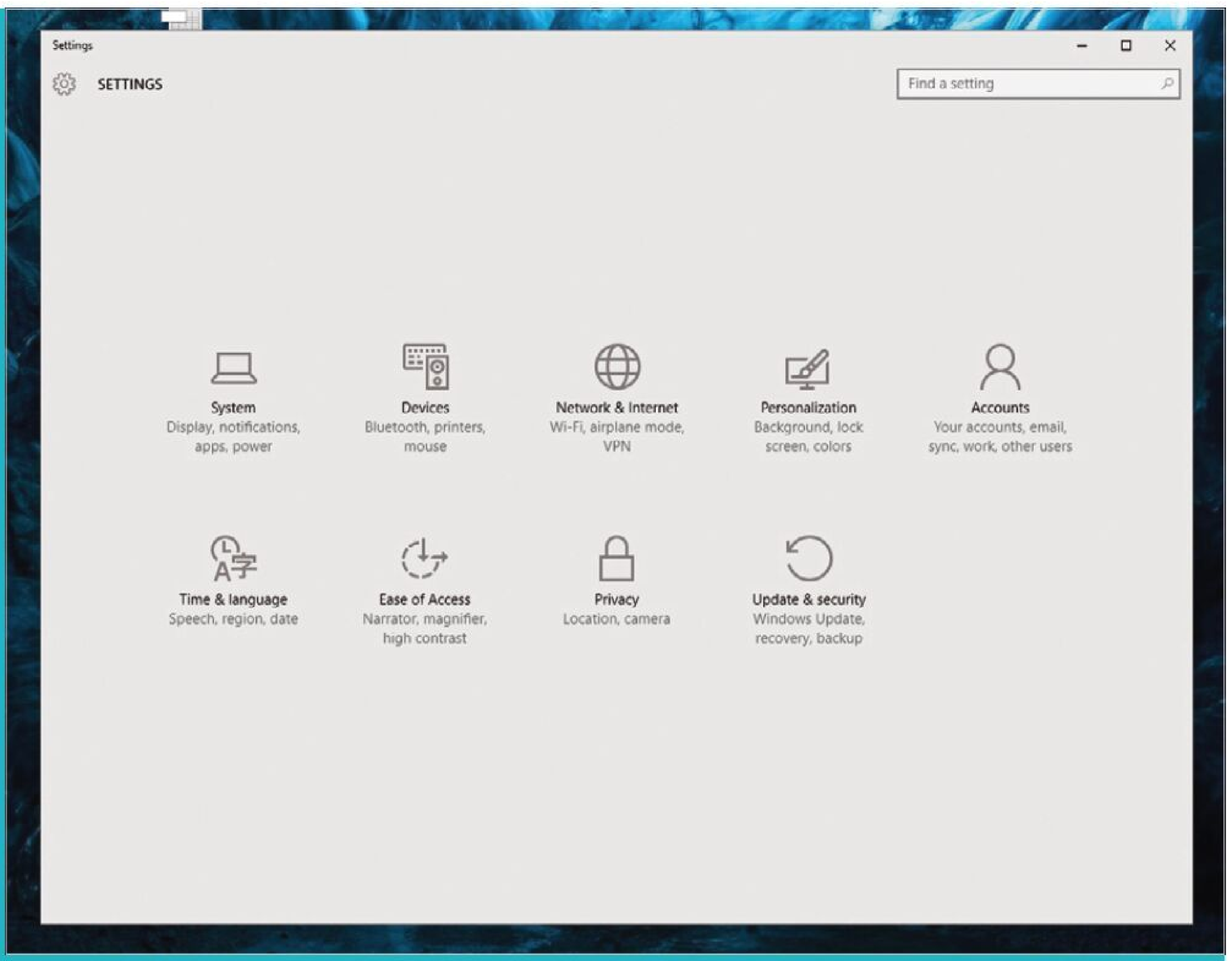
Trigger: Weekly; At 10:26 every Monday of every week, starting 14/07/2016

Action: Start a program; C:\Windows\System32\Defrag.exe

☐ Open the Properties dialog for this task when I click Finish

When you click Finish, the new task will be created and added to your Windows schedule.


AVG
Google Drive
R w
Most used
Google Chrome
Mozilla Thunderbird
Get Started
Get Skype
Maps
People
Recently added
Insider Hub
Life at a glance
Calendar
Mail
Microsoft Edge
Photos
Cortana
Weather
Phone Compa...
OneNote
Play and explore
Xbox
Groove Music
Films & TV
Store
Microsoft Solitaire Collection
Try Office 365 for free
Get Office
File Explorer
Settings
Power
All apps
I'm Cortana. Ask me anything.


Settings
SETTINGS
Find a setting
System
Display, notifications, apps, power
Devices
Bluetooth, printers, mouse
Network & Internet
Wi-Fi, airplane mode, VPN
Personalization
Background, lock screen, colors
Accounts
Your accounts, email, sync, work, other users
Time & language
Speech, region, date
Ease of Access
Narrator, magnifier, high contrast
Privacy
Location, camera
Update & security
Windows Update, recovery, backup

TASK SCHEDULER IN WINDOWS 10

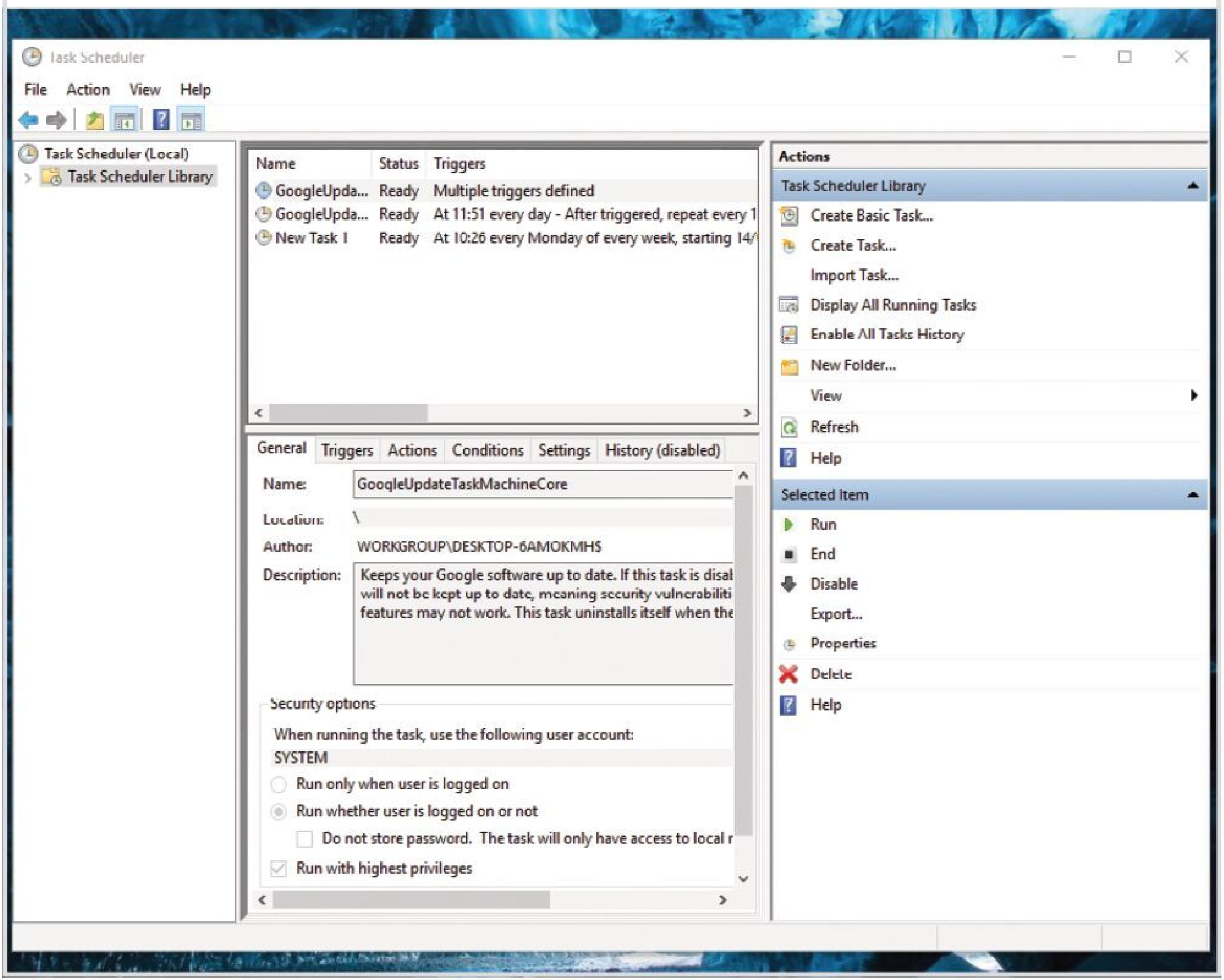
Although the method of creating and managing tasks manually is the same in Windows 10 as it was in 7 and XP, if you are using a portable device, the way the OS prioritises tasks has changed. This change is due to the new Battery Saver mode, which is able to postpone certain tasks if they meet certain criteria.

If Windows 10 detects that the user isn't using their computer, it considers the system idle. This means that some scheduled processes won't execute. For example, disk optimisation runs at set intervals when the computer idles. However, when operating on battery power, running disk optimisation on a spin-up Hard Disk Drive (HDD) could negatively affect your system's uptime.

Modifying or Deleting Tasks

You may want to modify existing Windows 10 tasks or even delete them altogether. This should always be done with care and research beforehand.

1 If you are looking to modify or disable any scheduled task, open the Task Scheduler. You can just type "Task Scheduler" into Windows Search and it should show up in the results. If you are creating or modifying a lot of tasks, it might be worth pinning the Task Manager to the Start menu.

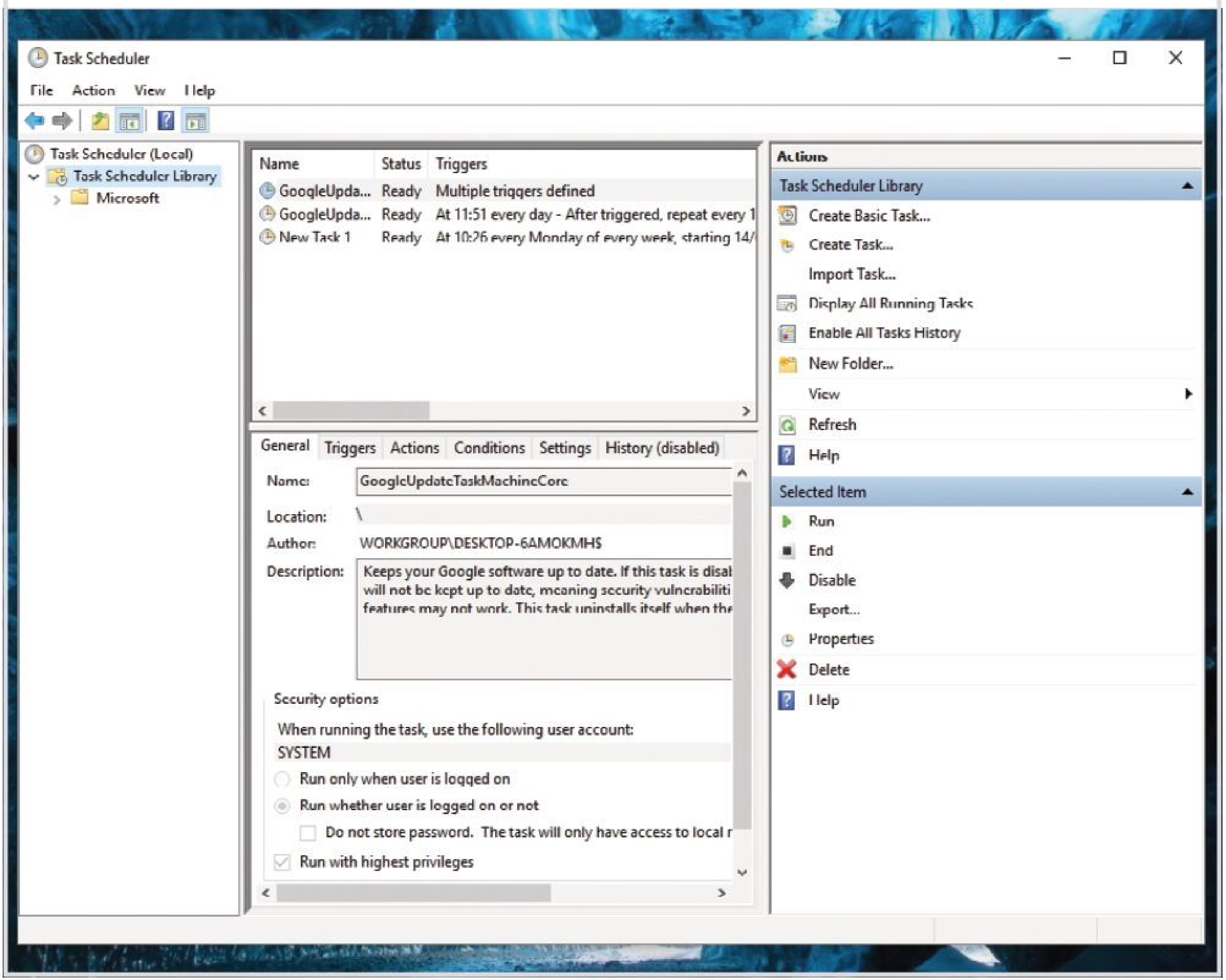

Task Scheduler
File Action View Help
Task Scheduler (Local)
Task Scheduler Library
General Triggers Actions Conditions Settings History (disabled)
Actions
Task Scheduler Library
Create Basic Task...
Create Task...
Import Task...
Display All Running Tasks
Enable All Tasks History
New Folder...
View
Refresh
Help
Selected Item
Run
End
Disable
Export...
Properties
Delete
Help

Name	Status	Triggers
GoogleUpda...	Ready	Multiple triggers defined
GoogleUpda...	Ready	At 11:51 every day - After triggered, repeat every 1
New Task 1	Ready	At 10:26 every Monday of every week, starting 14/

Name: GoogleUpdateTaskMachineCore
Location: \
Author: WORKGROUP\DESKTOP-6AMOKMHS
Description: Keeps your Google software up to date. If this task is disal will not be kept up to date, meaning security vulnerabiliti features may not work. This task uninstalls itself when the

Security options
When running the task, use the following user account:
SYSTEM
○ Run only when user is logged on
● Run whether user is logged on or not
☐ Do not store password. The task will only have access to local r
☑ Run with highest privileges

2 Looking at the left-hand panel in the Task Scheduler will allow you to see all of the existing scheduled tasks (Task Scheduler Library). Click on the folder and the tasks will be displayed in the middle panel. You can dig down further into the folder structure using the arrow toggles.

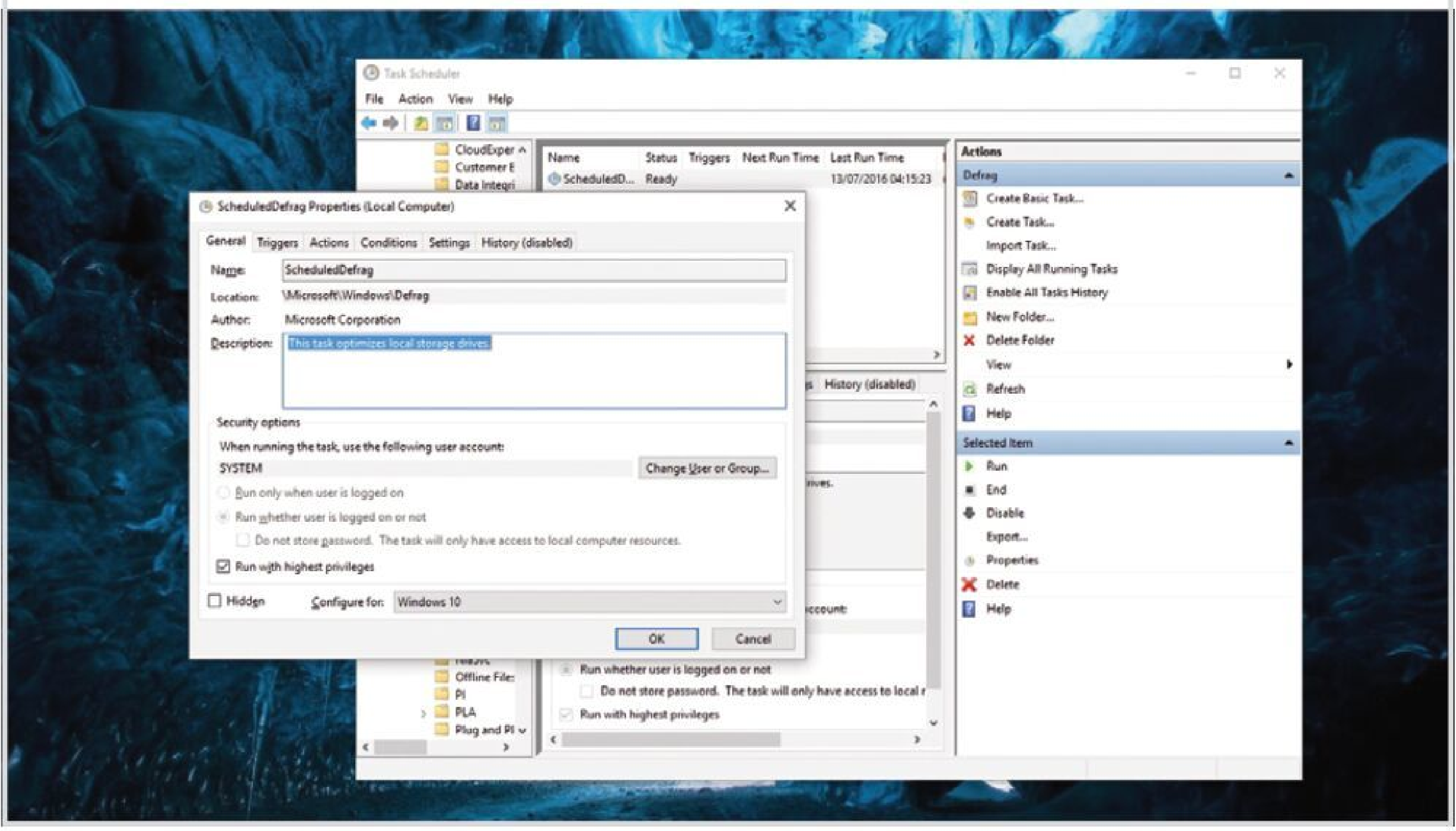

Task Scheduler
File Action View Help
Task Scheduler (Local)
Task Scheduler Library
Microsoft
General Triggers Actions Conditions Settings History (disabled)
Actions
Task Scheduler Library
Create Basic Task...
Create Task...
Import Task...
Display All Running Tasks
Enable All Tasks History
New Folder...
View
Refresh
Help
Selected Item
Run
End
Disable
Export...
Properties
Delete
Help

Name	Status	Triggers
GoogleUpda...	Ready	Multiple triggers defined
GoogleUpda...	Ready	At 11:51 every day - After triggered, repeat every 1
New Task 1	Ready	At 10:26 every Monday of every week, starting 14/

Name: GoogleUpdateTaskMachineCore
Location: \
Author: WORKGROUP\DESKTOP-6AMOKMHS
Description: Keeps your Google software up to date. If this task is disal will not be kept up to date, meaning security vulnerabiliti features may not work. This task uninstalls itself when the

Security options
When running the task, use the following user account:
SYSTEM
○ Run only when user is logged on
● Run whether user is logged on or not
☐ Do not store password. The task will only have access to local r
☑ Run with highest privileges

3 For example, click on the left facing arrow for Microsoft. Then click on the left facing arrow for Windows. From the list of entries that appear, find the Defrag option and click on it. In the centre panel, double-click on ScheduleDefrag. This will open a new properties pane.

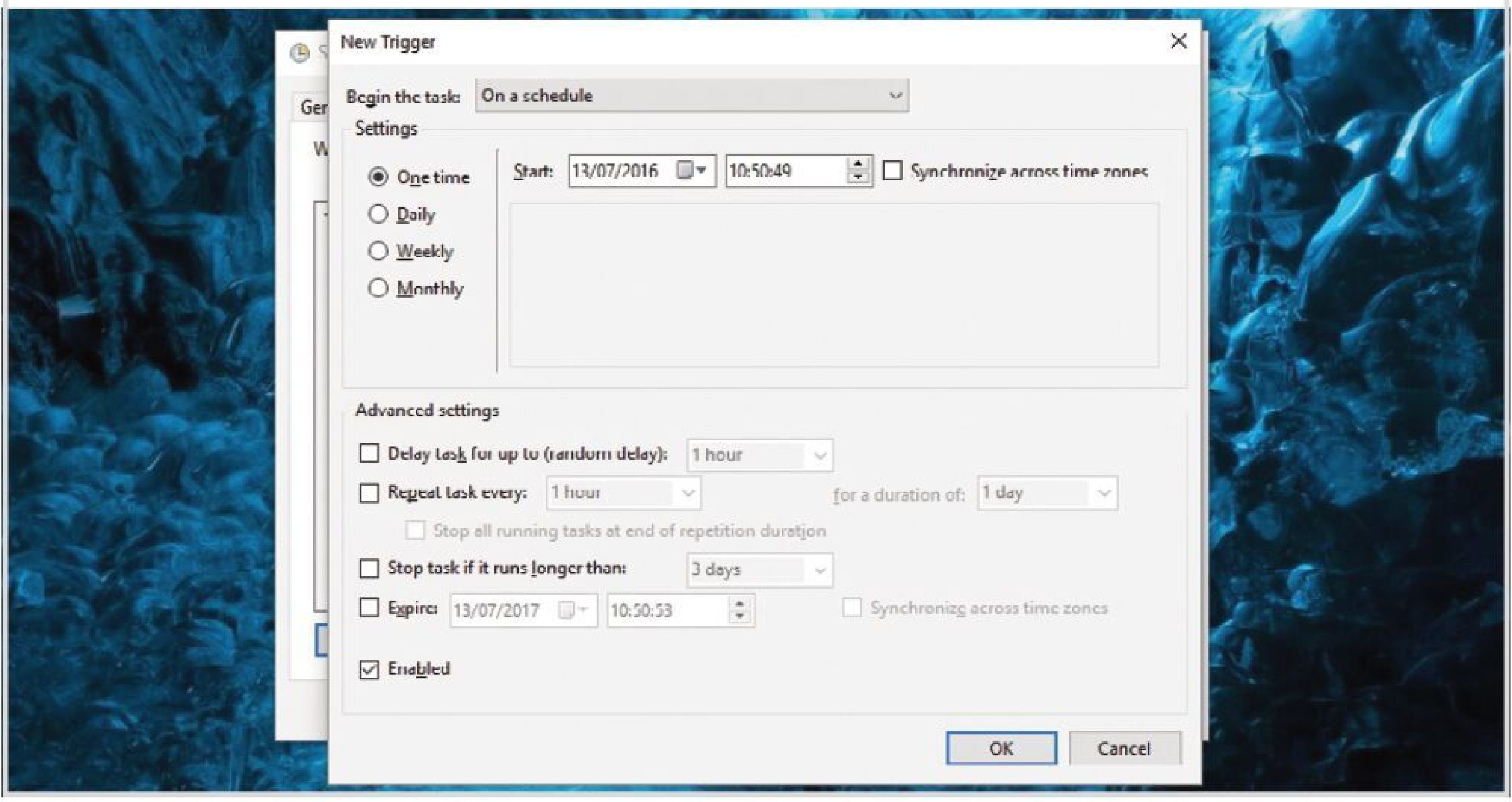

Task Scheduler
File Action View Help
Actions
Defrag
General Triggers Actions Conditions Settings History (disabled)
OK
Cancel

ScheduledDefrag Properties (Local Computer)

Name: ScheduledDefrag
Location: \Microsoft\Windows\Defrag
Author: Microsoft Corporation
Description: This task optimizes local storage drives.

Security options
When running the task, use the following user account:
SYSTEM
○ Run only when user is logged on
● Run whether user is logged on or not
☐ Do not store password. The task will only have access to local computer resources.
☑ Run with highest privileges
☐ Hidden
Configure for: Windows 10

4 The properties pane shows the triggers and conditions that control the Defrag utility's behaviour. If you want the process to run regardless of Battery Saver, you'll need to make sure that none of the triggers are idle state, or are part of auto maintenance. They must run though when logged out.


New Trigger
OK
Cancel

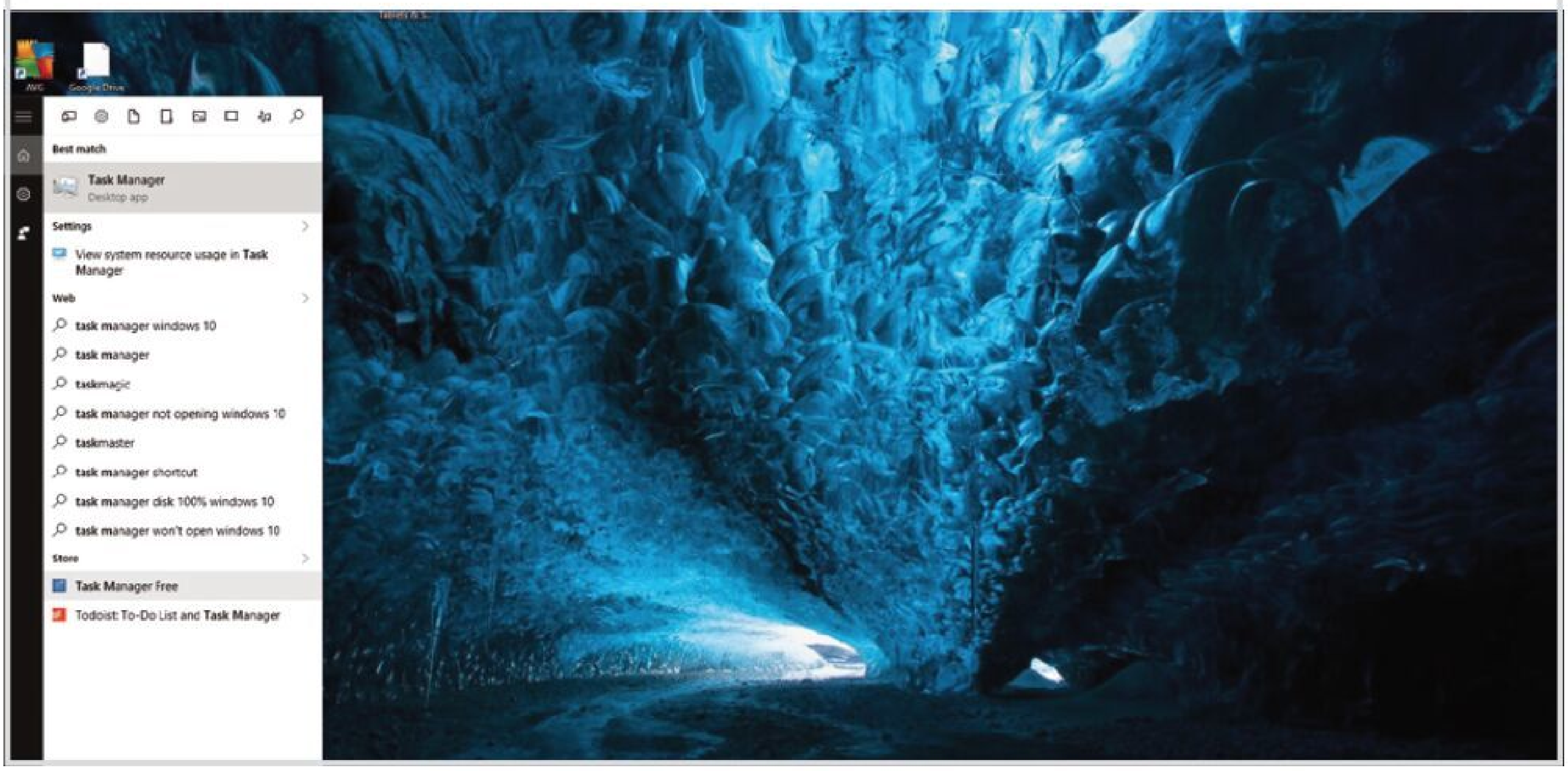
Begin the task: On a schedule
Settings
● One time
○ Daily
○ Weekly
○ Monthly
Start: 13/07/2016 10:50:49 ☐ Synchronize across time zones

Advanced settings
☐ Delay task for up to (random delay): 1 hour
☐ Repeat task every: 1 hour for a duration of: 1 day
☐ Stop all running tasks at end of repetition duration
☐ Stop task if it runs longer than: 3 days
☐ Expire: 13/07/2017 10:50:53 ☐ Synchronize across time zones
☑ Enabled

Turn Off Task Scheduler

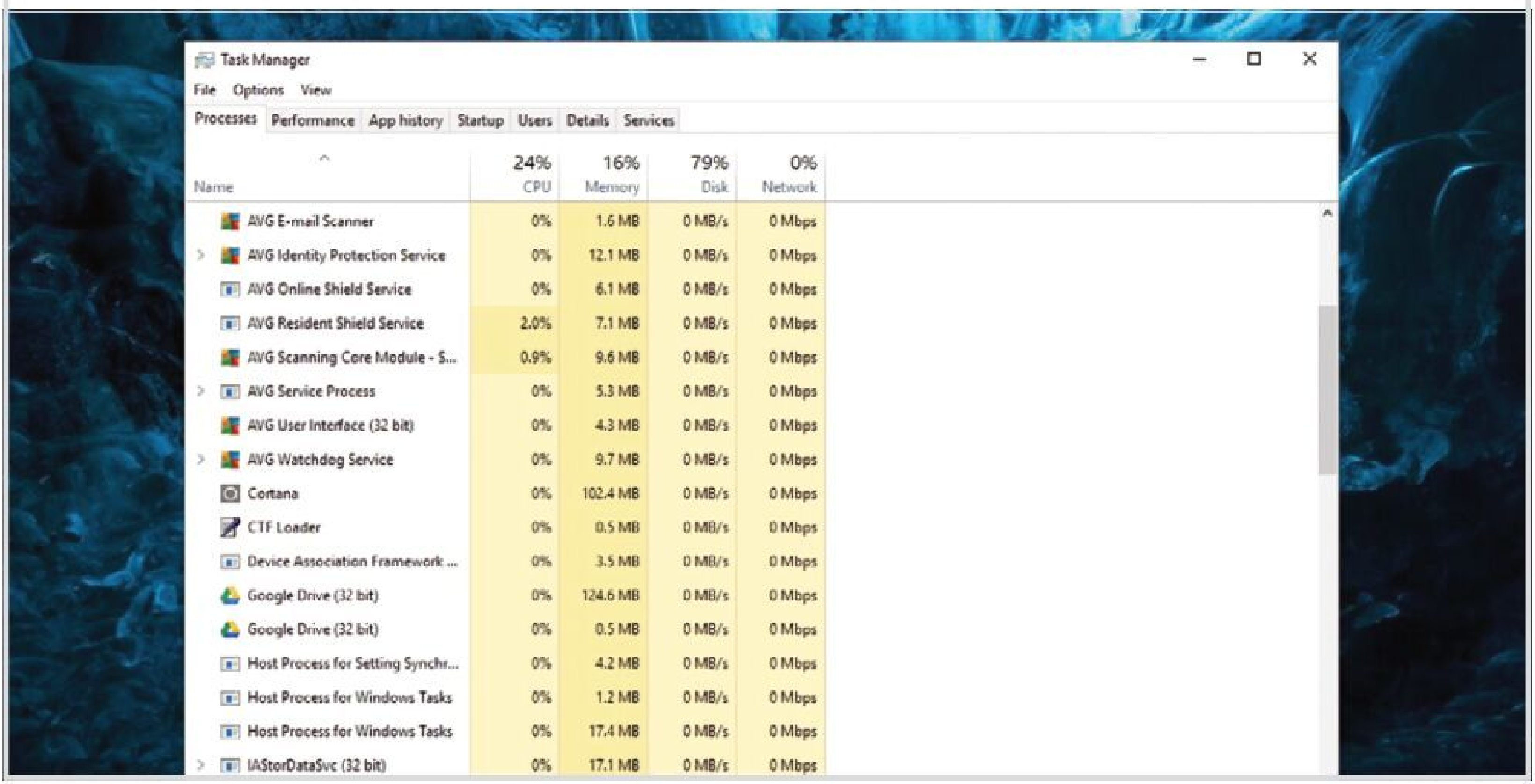
Although there is no simple switch to turn off individual tasks or to turn off the Task Scheduler as a whole, you can disable it in another way.

1 To turn off or disable the Task Scheduler temporarily whilst in Battery Saver Mode, as turning it off all the time could adversely affect performance, you need to open the Task Manager. You can search for this using the Cortana search field or by looking in Start menu > All Apps.


AVG
Google Drive

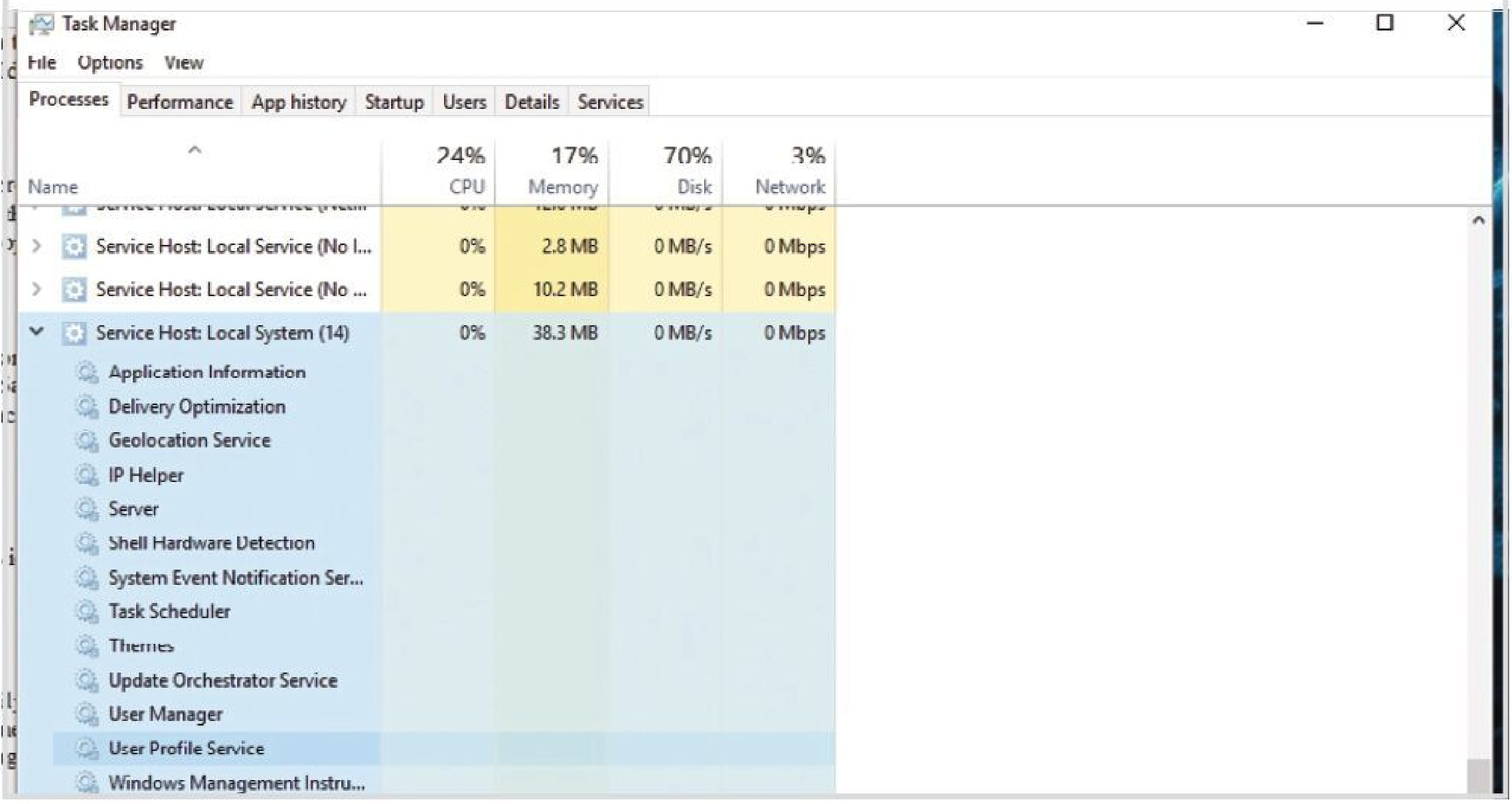
Best match
Task Manager
Desktop app
Settings
View system resource usage in Task Manager
Web
task manager windows 10
task manager
taskmagic
task manager not opening windows 10
taskmaster
task manager shortcut
task manager disk 100% windows 10
task manager won't open windows 10
Store
Task Manager Free
Todoist: To-Do List and Task Manager

2 You can also open the Task Manager by pressing the key combination Ctrl + Shift + Esc. Next locate the entry for Service Host: Local System (followed by a number) on the processes tab and click on the left facing arrow to show the full list of processes inside.


Task Manager
File Options View
Processes Performance App history Startup Users Details Services

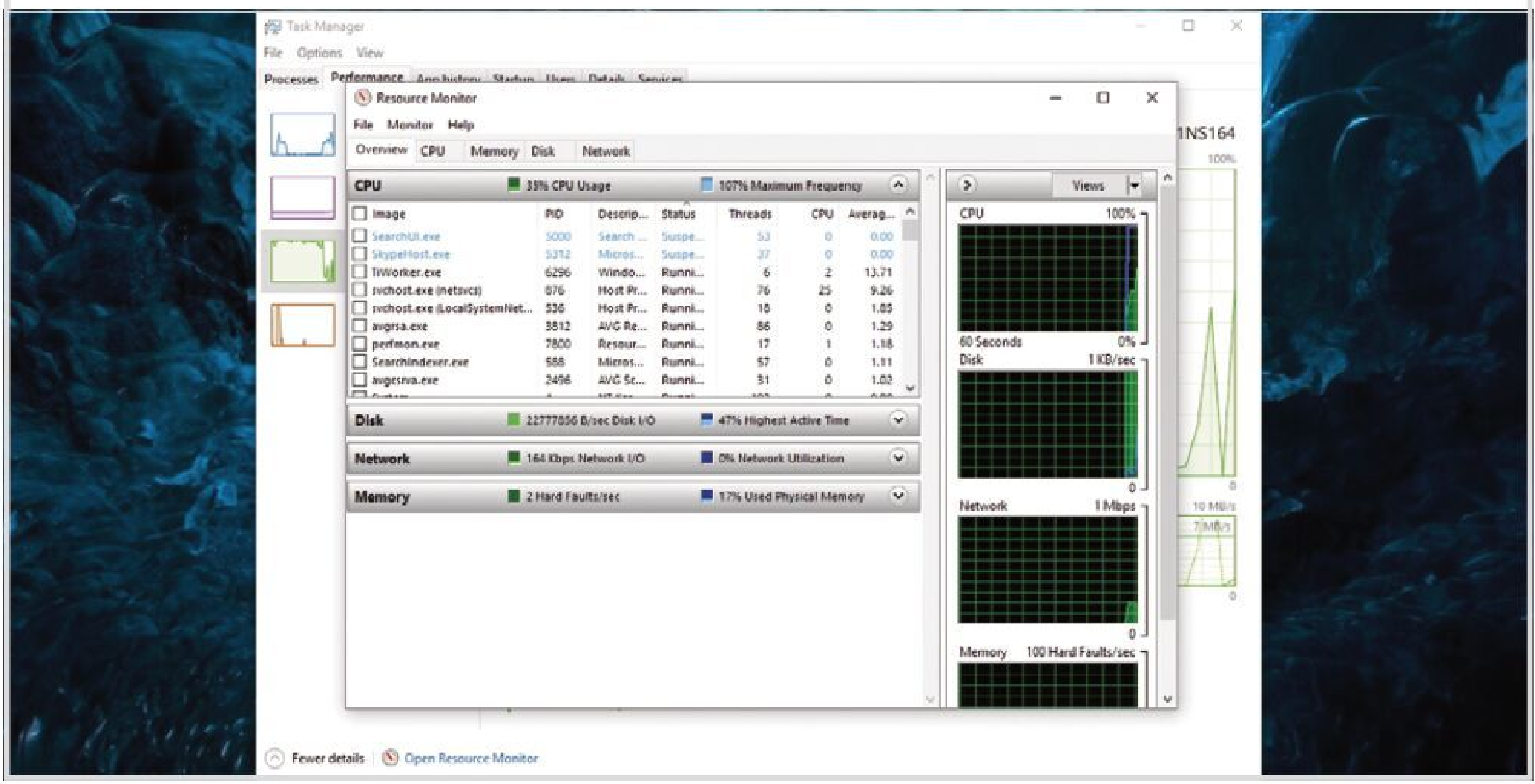
Name	24% CPU	16% Memory	79% Disk	0% Network
AVG E-mail Scanner	0%	1.6 MB	0 MB/s	0 Mbps
AVG Identity Protection Service	0%	12.1 MB	0 MB/s	0 Mbps
AVG Online Shield Service	0%	6.1 MB	0 MB/s	0 Mbps
AVG Resident Shield Service	2.0%	7.1 MB	0 MB/s	0 Mbps
AVG Scanning Core Module - S...	0.9%	9.6 MB	0 MB/s	0 Mbps
AVG Service Process	0%	5.3 MB	0 MB/s	0 Mbps
AVG User Interface (32 bit)	0%	4.3 MB	0 MB/s	0 Mbps
AVG Watchdog Service	0%	9.7 MB	0 MB/s	0 Mbps
Cortana	0%	102.4 MB	0 MB/s	0 Mbps
CTF Loader	0%	0.5 MB	0 MB/s	0 Mbps
Device Association Framework ...	0%	3.5 MB	0 MB/s	0 Mbps
Google Drive (32 bit)	0%	124.6 MB	0 MB/s	0 Mbps
Google Drive (32 bit)	0%	0.5 MB	0 MB/s	0 Mbps
Host Process for Setting Synchr...	0%	4.2 MB	0 MB/s	0 Mbps
Host Process for Windows Tasks	0%	1.2 MB	0 MB/s	0 Mbps
Host Process for Windows Tasks	0%	17.4 MB	0 MB/s	0 Mbps
IAStorDataSvc (32 bit)	0%	17.1 MB	0 MB/s	0 Mbps

3 You should see the Task Scheduler in this list. Right-click on the entry and choose Disable from the contextual menu. To re-enable it, simply right-click and choose Enable from the contextual menu. Remember to turn this service back on after leaving Battery Saver Mode.


Task Manager
File Options View
Processes Performance App history Startup Users Details Services

Name	24% CPU	17% Memory	70% Disk	3% Network
Service Host: Local Service (No l...	0%	2.8 MB	0 MB/s	0 Mbps
Service Host: Local Service (No ...	0%	10.2 MB	0 MB/s	0 Mbps
Service Host: Local System (14)	0%	38.3 MB	0 MB/s	0 Mbps
Application Information				
Delivery Optimization				
Geolocation Service				
IP Helper				
Server				
Shell Hardware Detection				
System Event Notification Ser...				
Task Scheduler				
Themes				
Update Orchestrator Service				
User Manager				
User Profile Service				
Windows Management Instru...				

4 The Task Scheduler offers much more than optimized battery performance. It can automate boring processes, including suspend and sleep. For anyone looking to shave a few precious minutes off their work routine, the Task Scheduler is a must have tool.


Task Manager
Resource Monitor
File Monitor Help
Overview CPU Memory Disk Network
CPU
Disk
Network
Memory
Fewer details
Open Resource Monitor

Managing Your Notifications

If you've used a modern smartphone, you'll be all too familiar with Notifications, those urgent little messages that tell you something has just happened. Windows 10 seems to have embraced notifications in a much bigger way than older versions. This is how to manage those pop-ups.

It's a feature of modern life in the digital age that we don't have to remember things anymore. Just a decade or so ago we used to have to remember dozens of phone numbers but with mobile phones now storing all our contacts we're lucky if we can remember our own number. We used to have to remember facts but today we have Wikipedia constantly at our fingertips. We used to have to remember appointments and tie a knot in a hanky to remember to buy a pint of milk but these days we have Notifications to remind us of everything. These changes in the ways that we find and use knowledge is actually changing the ways that our brains work; as we rely more on machines to store and recall everyday information, our memories are becoming less efficient, although our critical faculties may be improving to help us weed out false information. Whether this is a good thing or not, only time will tell.

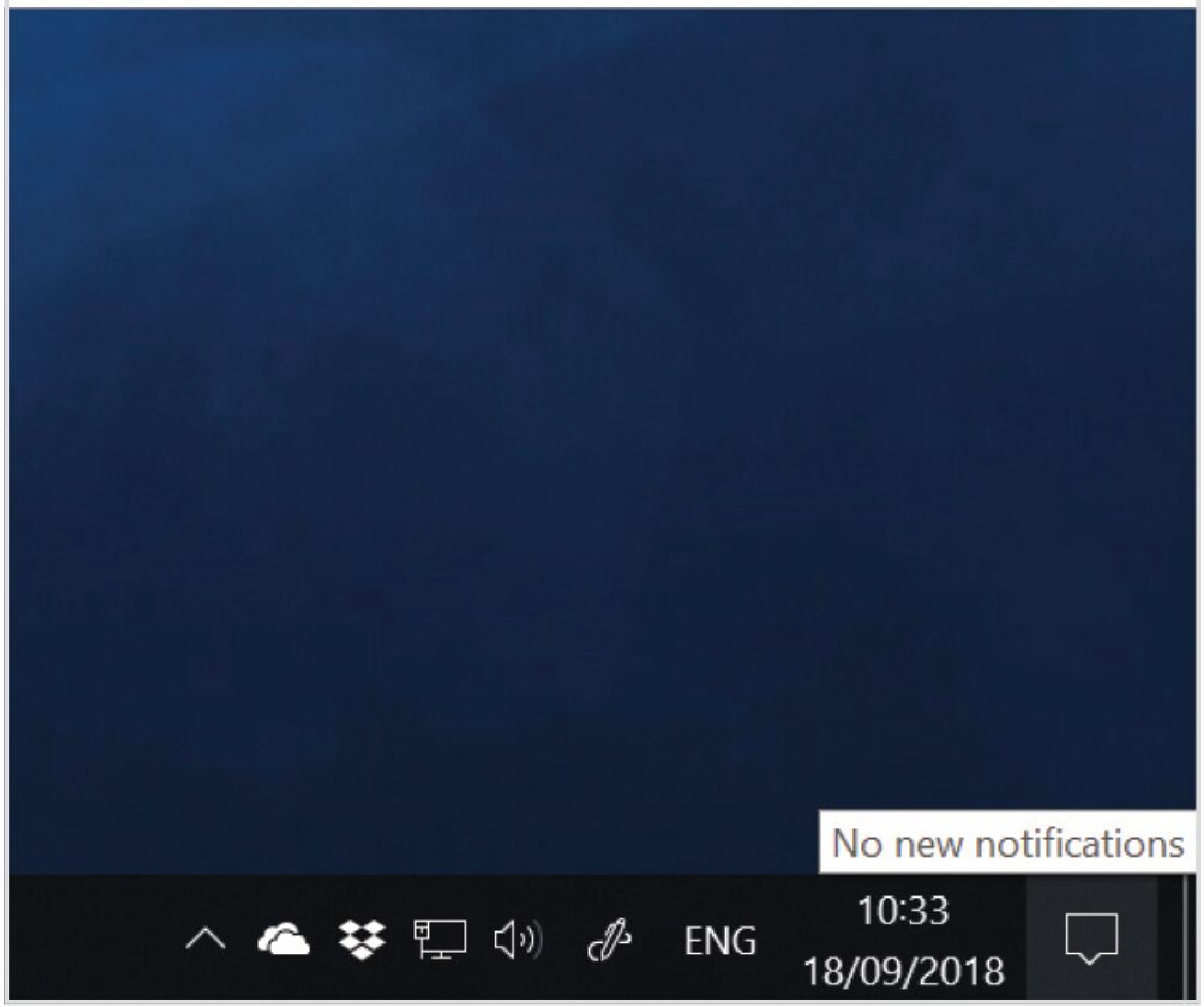
Notifications have become an everyday fact of life for anyone who uses a smartphone, tablet or personal computer. All through the day you'll hear that insistent little "ping" that lets you know that you've received an email, or one of your friends has posted another cat picture on Facebook and that you've only got 15 minutes to get to the dentist. While they can certainly be useful for anyone trying to juggle a job, family and busy social life, if you don't manage your notifications you'll never get a moment's peace. The same is true of Windows Notifications; if you don't set them up properly you'll be constantly notified about things that you just don't need to know about.

First introduced with Windows 8, Notifications are the messages that pop-up in the bottom right-hand corner of your screen, reminding you of calendar events, letting you know that you've got emails and generally keeping you informed about what's going on with your life and your computer. There's no doubt that Notifications are useful, especially when they remind you of a forgotten appointment or signal the arrival of an important email. However if you don't take a firm hand with them you can be overwhelmed with pop-up messages about trivial Twitter posts or friends' Facebook status updates.

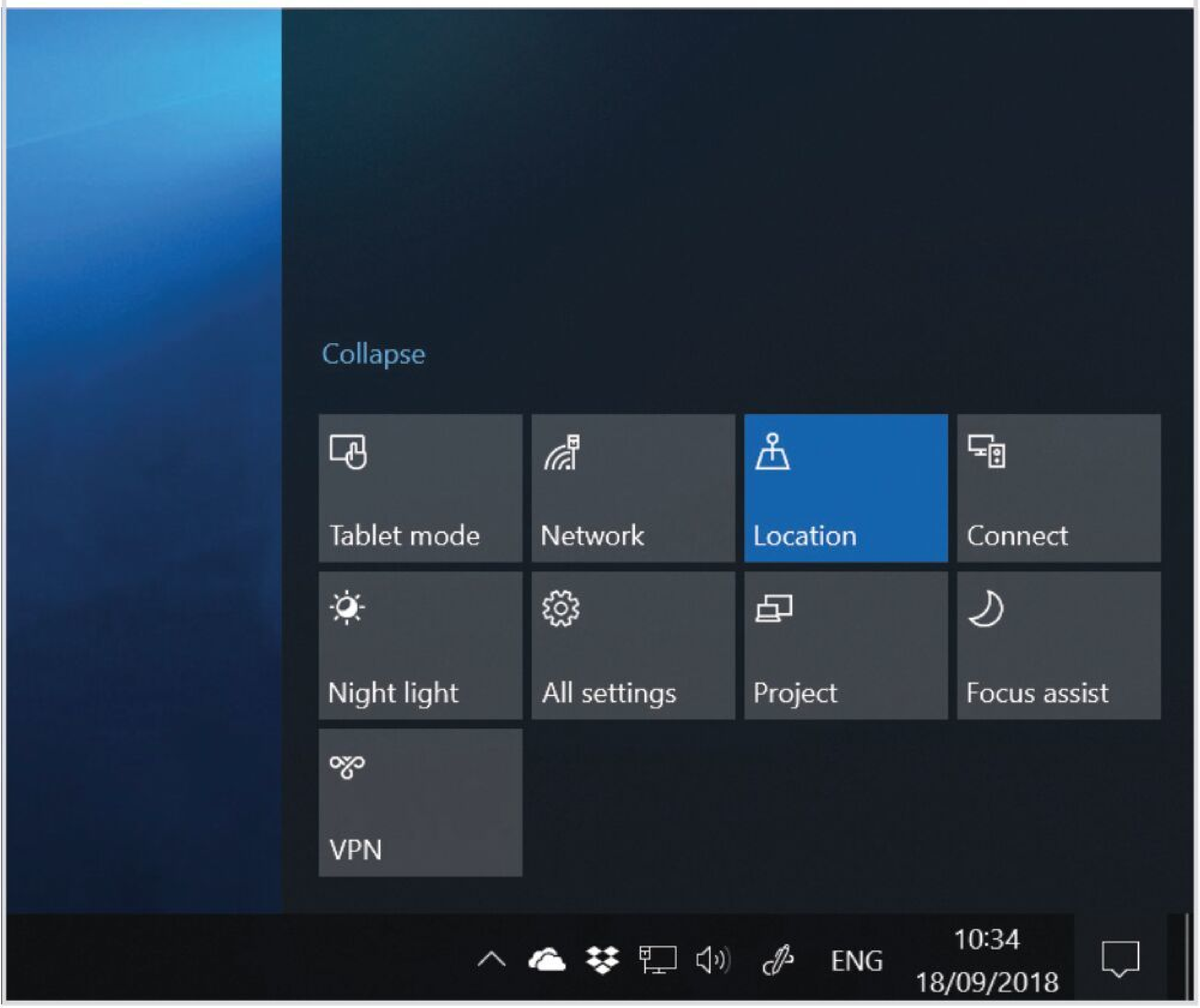
Notification Settings

In Windows 10 you can choose what sort of Notifications you receive and even decide which apps can post Notifications and what type of Notifications each app can use. Read on to find out how you can manage your notifications.

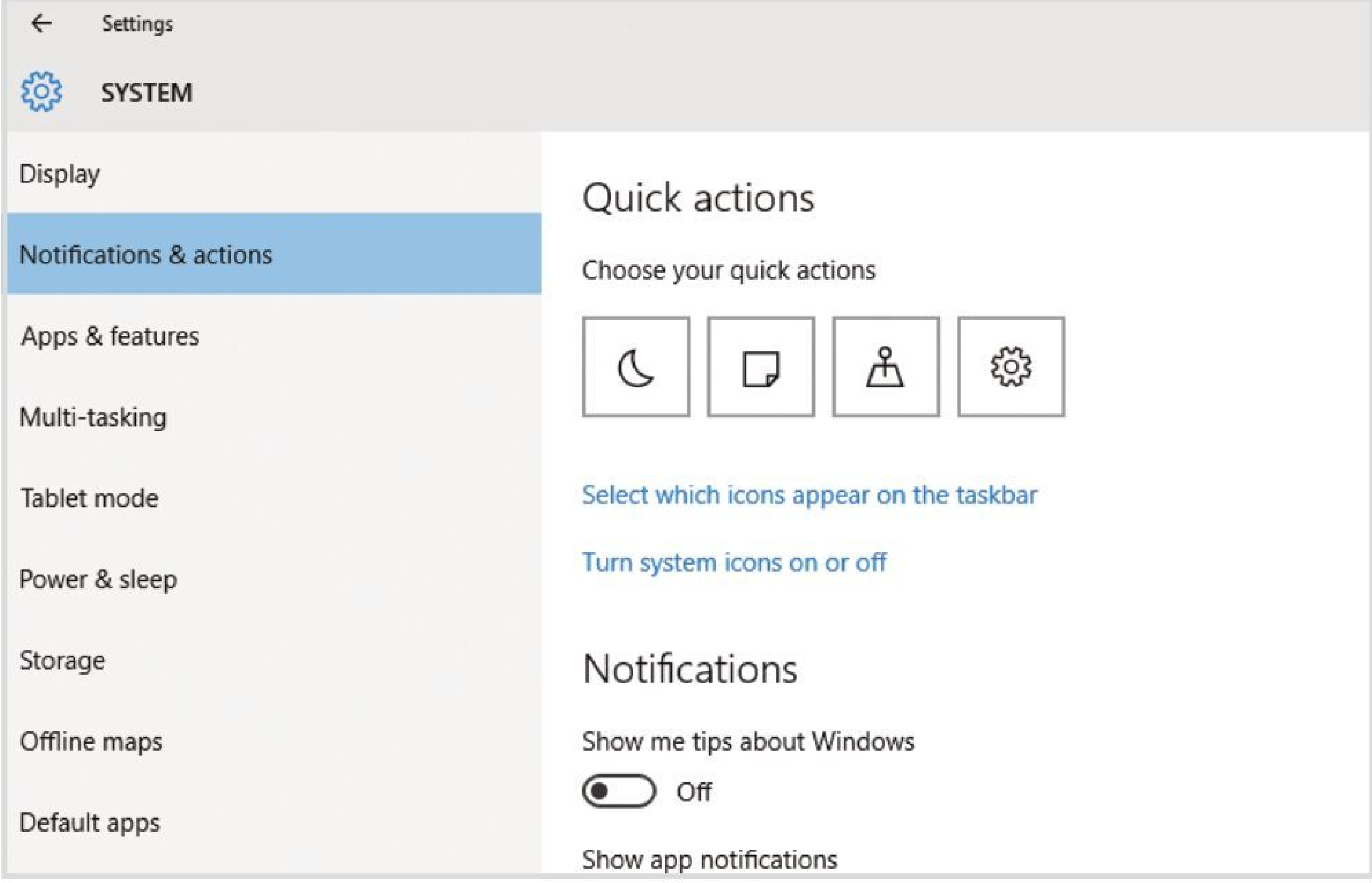
1 To view your recent Notifications, click on the Action Center icon in the System Tray area of the Taskbar, at the bottom right of the screen. It's the one that looks like a rectangular speech bubble.


No new notifications

2 The Action Center sidebar will open, showing all your recent Notifications, as well as a panel of buttons at the bottom of the screen. Click on All Settings to open the Settings screen.



3 On the Settings screen, click on System and then in the sidebar menu on the left of the System screen, click on Notifications & Actions.



Quick actions

Choose your quick actions

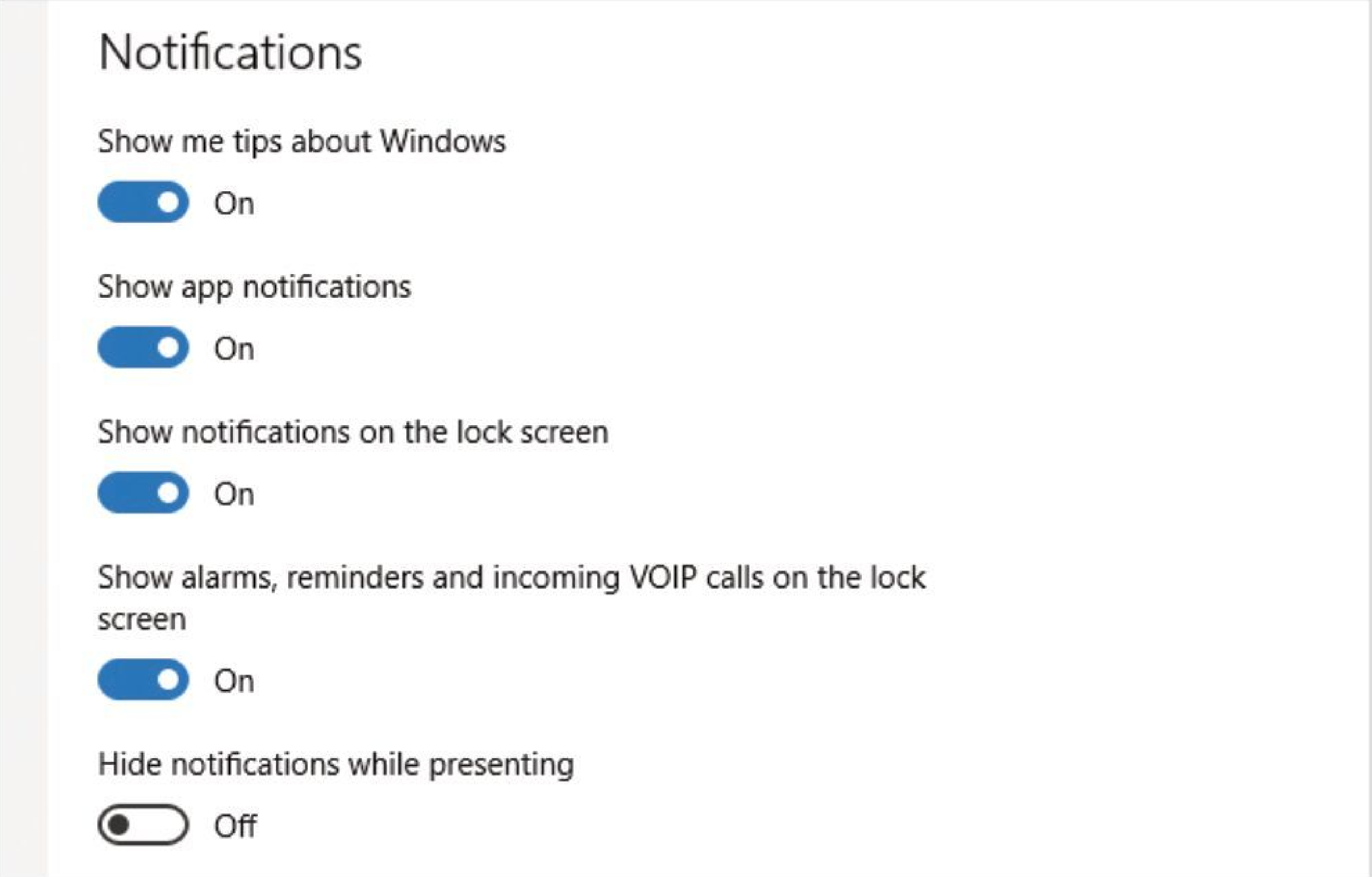
Notifications

Show me tips about Windows

Off

Show app notifications

4 Under the Notifications header you'll see a row of five switches controlling general Notifications options. By default they're all set to on except "Hide notifications while presenting".



Notifications

Show me tips about Windows

On

Show app notifications

On

Show notifications on the lock screen

On

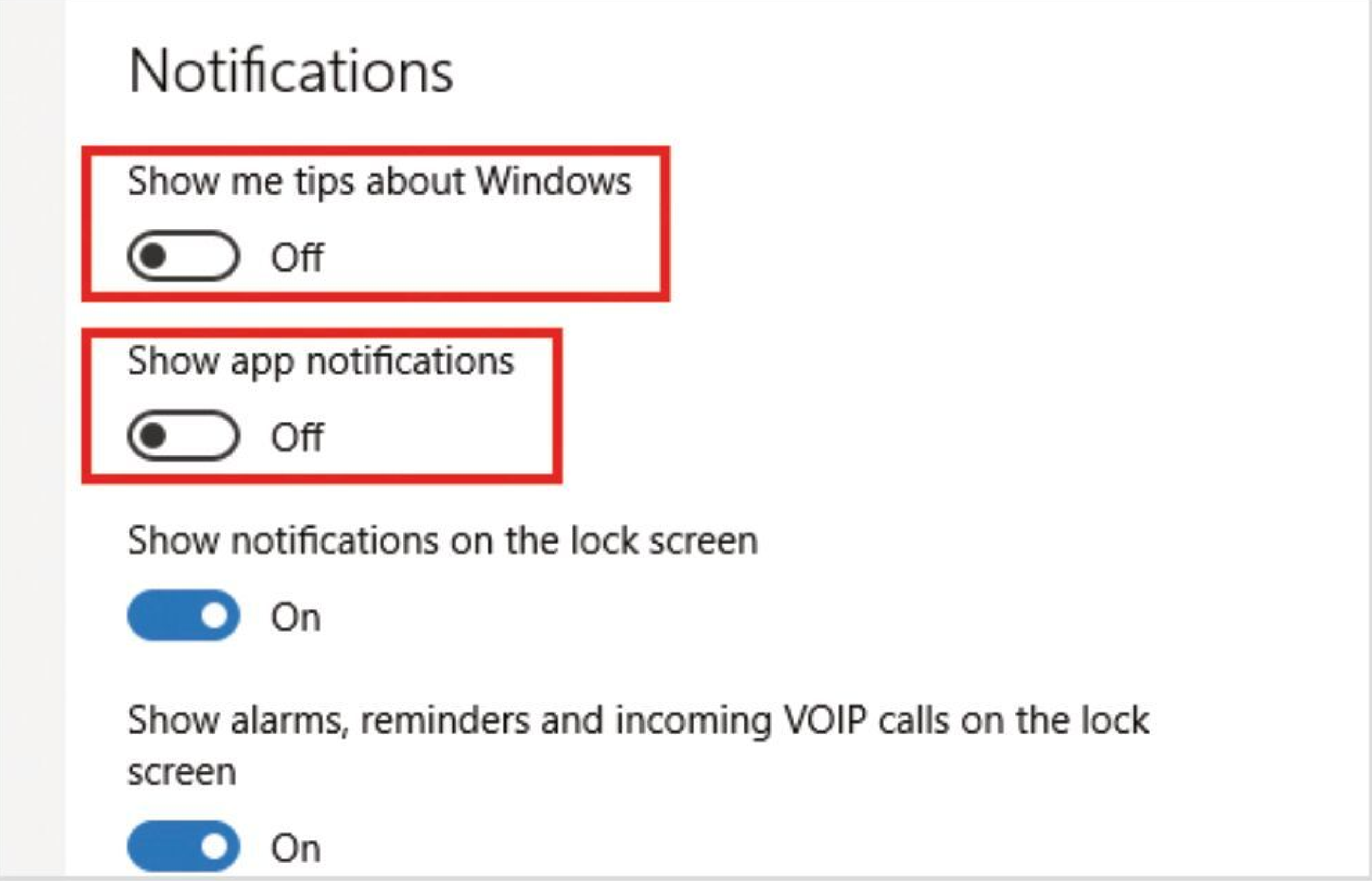
Show alarms, reminders and incoming VOIP calls on the lock screen

On

Hide notifications while presenting

Off

5 If you don't want any of your installed apps to be able to send you Notifications, set the switch for "Show app notifications" to off. You can also turn off "Show me tips about Windows".



Notifications

Show me tips about Windows

Off

Show app notifications

Off

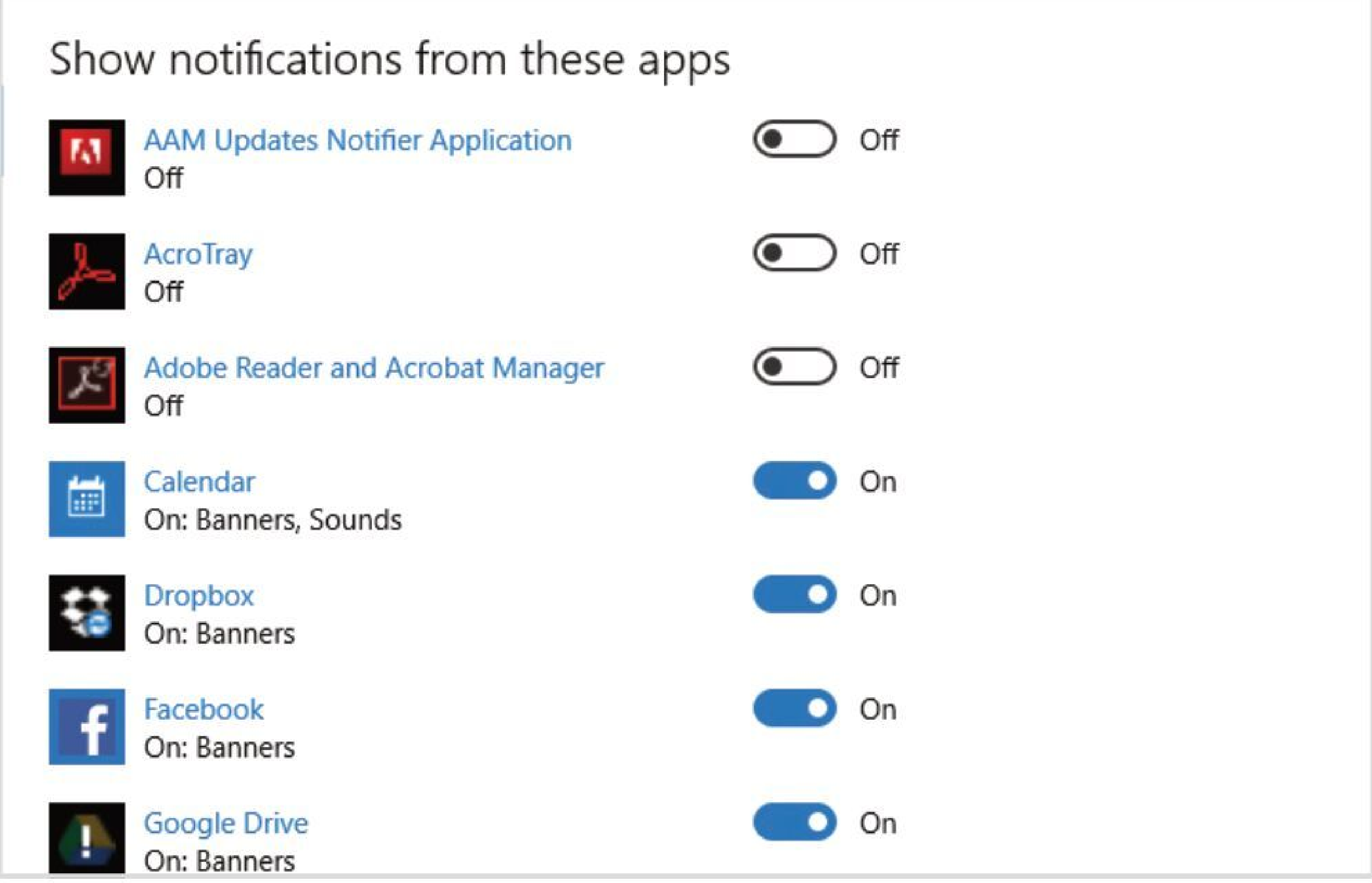
Show notifications on the lock screen

On

Show alarms, reminders and incoming VOIP calls on the lock screen

On

6 Scroll down further and you'll find a list of installed apps that can send Notifications, each one with a switch. To disable Notifications from individual apps, flip that app's switch to off.



Show notifications from these apps

AAM Updates Notifier Application
Off
Off

AcroTray
Off
Off

Adobe Reader and Acrobat Manager
Off
Off

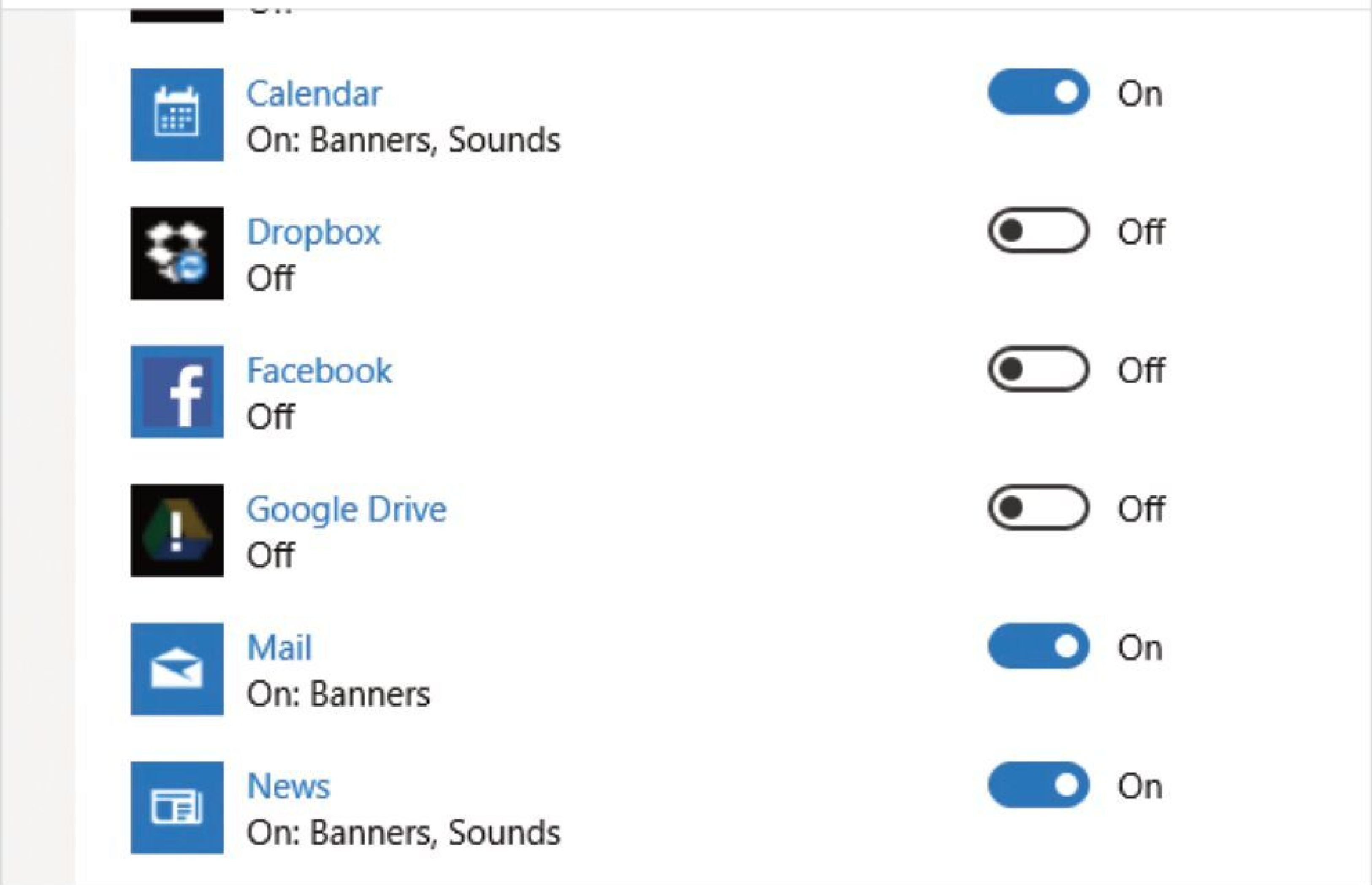
Calendar
On: Banners, Sounds
On

Dropbox
On: Banners
On

Facebook
On: Banners
On

Google Drive
On: Banners
On

7 If you just want to see important Notifications, try setting everything except Mail, Calendar, News and Windows Explorer to off.



Calendar
On: Banners, Sounds
On

Dropbox
Off
Off

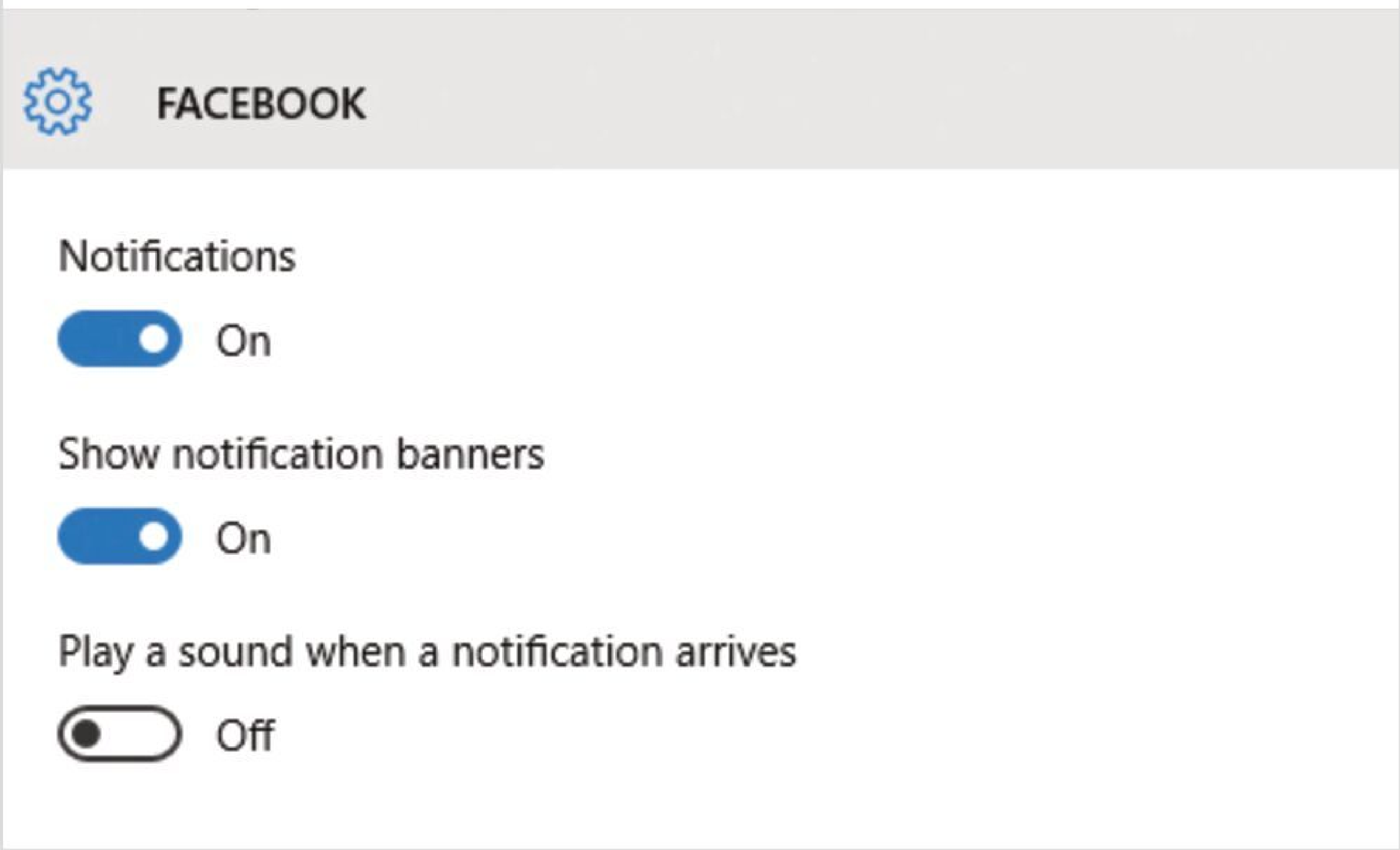
Facebook
Off
Off

Google Drive
Off
Off

Mail
On: Banners
On

News
On: Banners, Sounds
On

8 If you click on the list entry for a particular app you see further options, allowing you to turn off Notifications for that app, just turn off the on screen banner notifications and also toggle whether the notification plays a sound.



FACEBOOK

Notifications

On

Show notification banners

On

Play a sound when a notification arrives

Off

Disable Unneeded Start-up Items

Windows 10 launches pretty quickly when it's newly installed but as you install more apps it may slow down over time. Any app that starts and runs automatically in the background will be using up precious processor resources. Here's how to keep that initial fast launch speed.

CUSTOMISING START-UP

If you first installed Windows 10 on a clean hard drive you probably notice that it launched much more quickly than Windows 8.1 ever did. However over time, as you've installed more programs, you may have noticed that the once sprightly boot-up time now takes noticeably longer. The reason for this is that many programs add files to the Windows start-up process, which are run as Windows launches, slowing down the launch process.

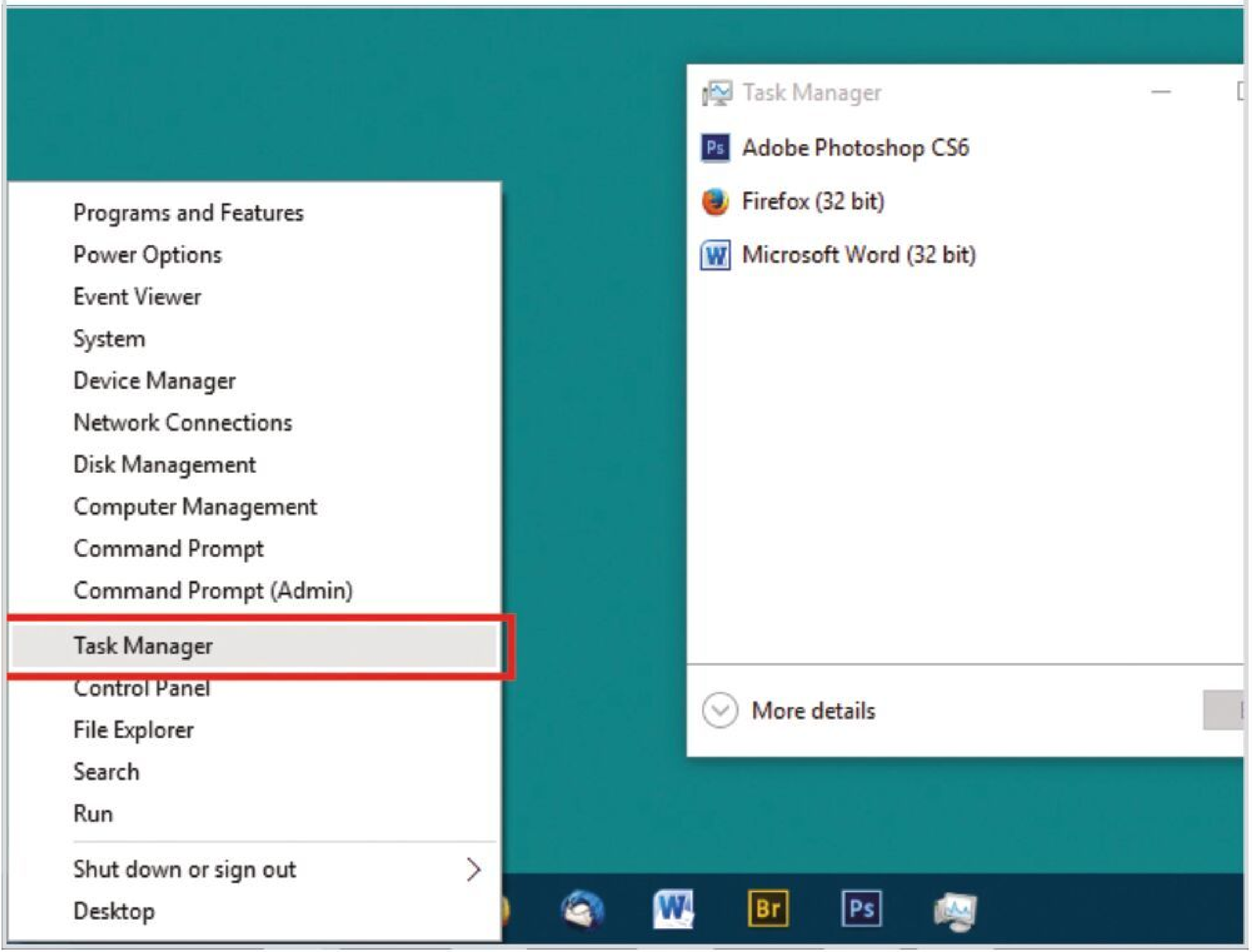
Some of these files are genuinely useful, doing things like updating your anti-virus software or launching and synchronising Dropbox, OneDrive and Google Drive; others are simply checking for software updates or initialising drivers for seldom used hardware. Some software manufacturers, notoriously Apple and Adobe, often install several start-up files at once and even if you disable them as we're about to show you, any subsequent software updates will re-activate the start-up files. This is particularly annoying, since the more of these start-up items there are, the slower Windows will launch.

You may have looked at these start-up items before and wondered whether or not it's safe to remove them. The simple answer is yes, it's perfectly safe; none of the start-up files are vital to the running of your PC and all of them can safely be disabled. Disabling a start-up file will not uninstall the software that it launches; all the apps that they affect can be started manually when needed and Windows will start-up completely safely without them. The only one you really need to leave in place is the one that starts up your anti-virus software, unless you're relying on Windows Defender, since you do need your PC to be protected from the moment it starts. In some cases the anti-virus software launcher will not even appear in the list to prevent you from accidentally disabling it.

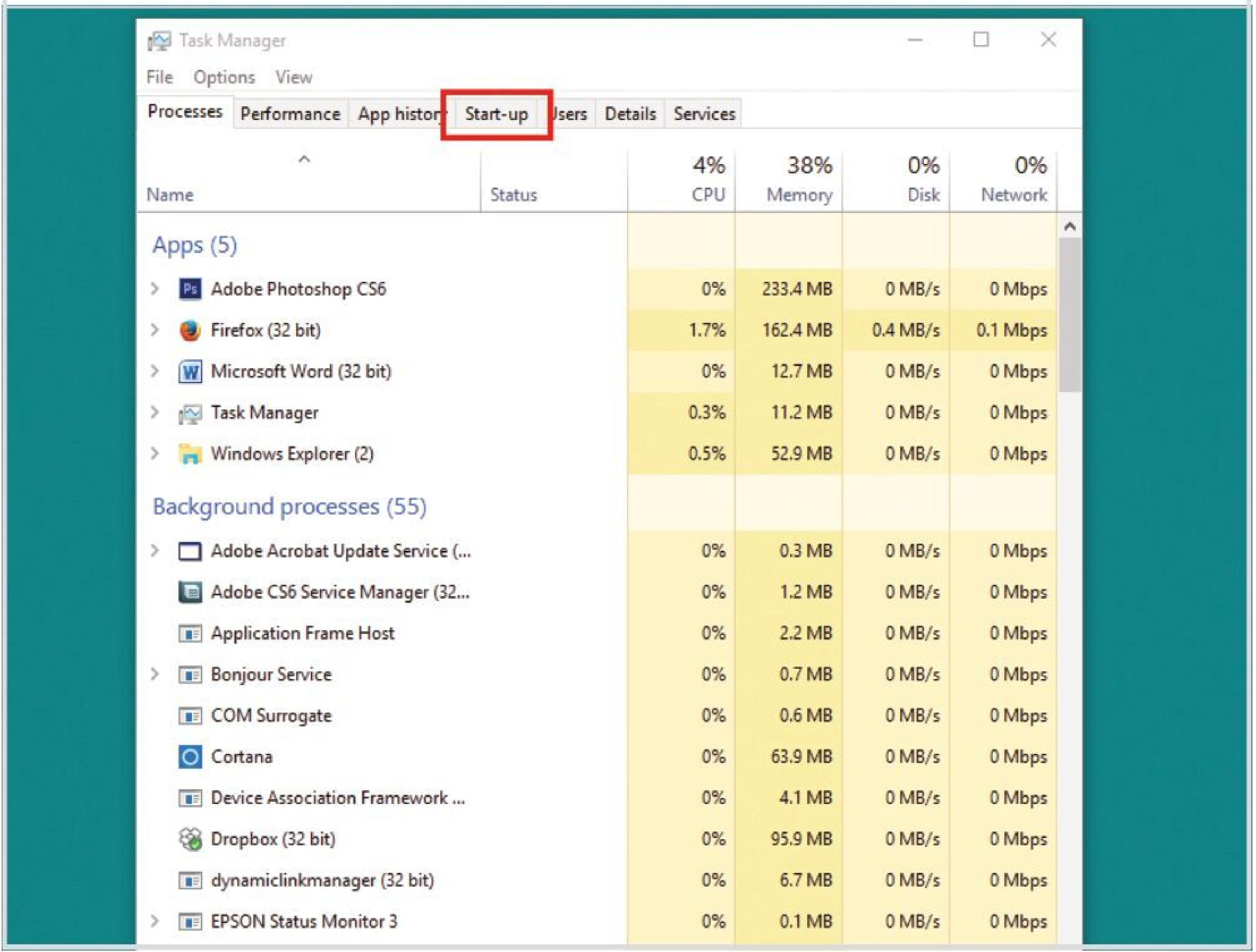
If you regularly use a cloud storage service such as Dropbox, OneDrive or Google Drive you might also want to leave the start-up files for these active, since they ensure that your files will be synchronised automatically as soon as your PC boots up and you won't miss any important updates the day before an important deadline!

Fortunately there's a very simple way to check and if necessary disable these start-up items, restoring your Windows launch speed to its former brisk pace. Here's what you need to do:

1 To get started, right-click on the Start button and select Task Manager from the power menu. This shows you a list of your currently running apps. To see more, click on the "More details" button at the bottom of the screen.

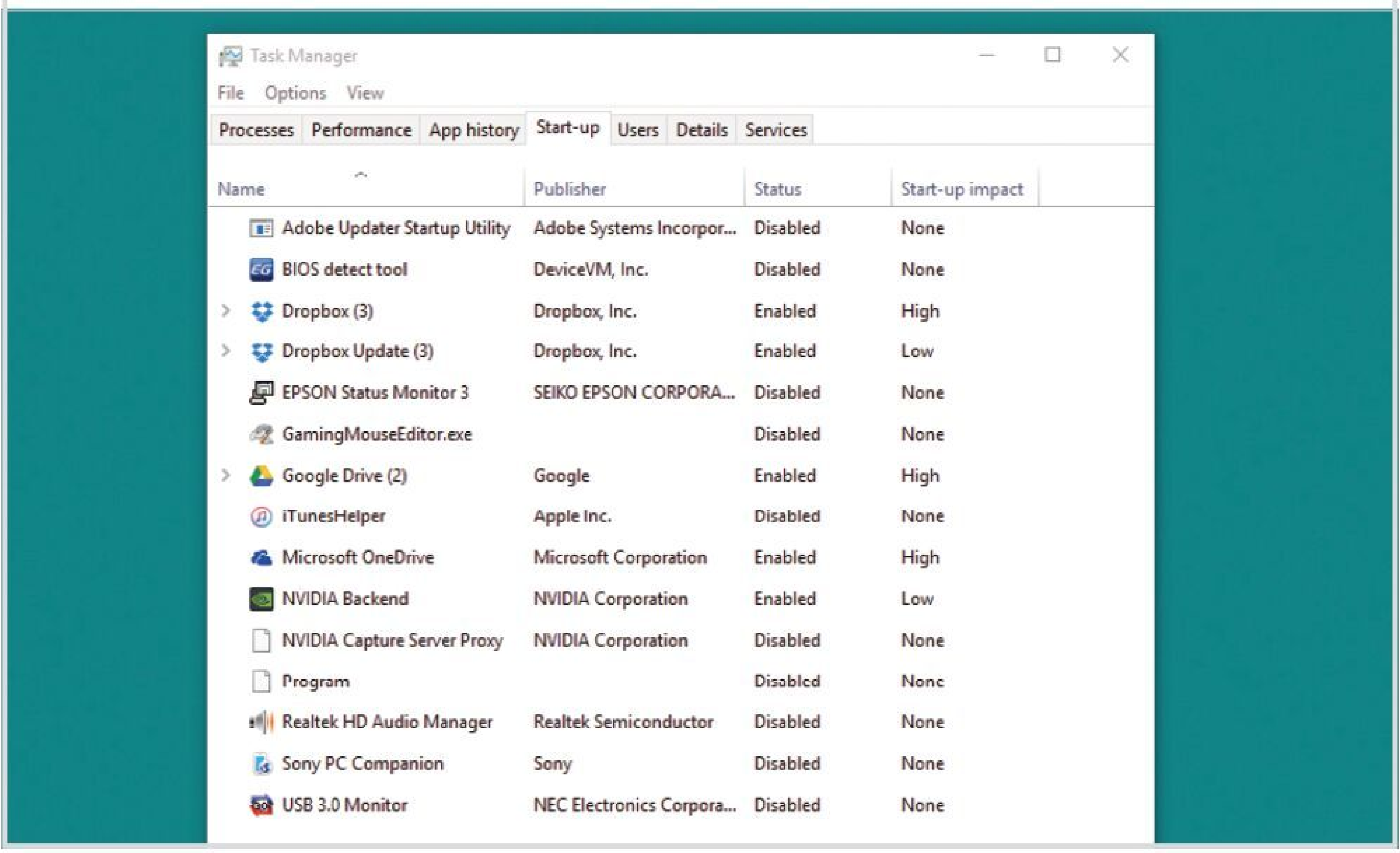

Task Manager
Adobe Photoshop CS6
Firefox (32 bit)
Microsoft Word (32 bit)
More details
Programs and Features
Power Options
Event Viewer
System
Device Manager
Network Connections
Disk Management
Computer Management
Command Prompt
Command Prompt (Admin)
Task Manager
Control Panel
File Explorer
Search
Run
Shut down or sign out
Desktop

2 The More details view shows you not just running apps but all the other services and routines that Windows is currently running, and there are a lot of them! However what we're interested in is found on the Start-up tab, so click on that.


Task Manager
File Options View
Processes
Performance
App histor
Start-up
Jsers
Details
Services

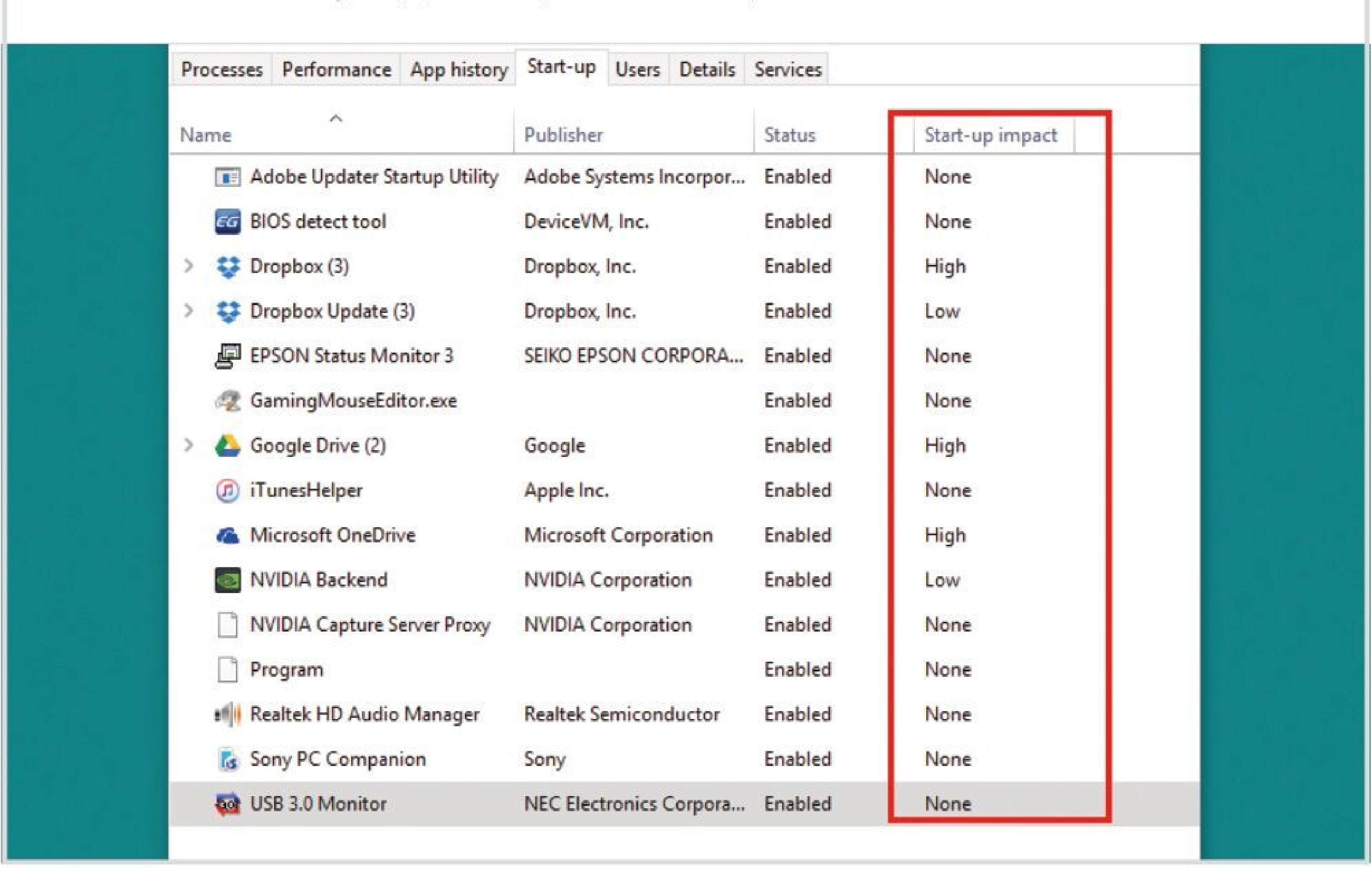
Name	Status	4% CPU	38% Memory	0% Disk	0% Network
Apps (5)					
Adobe Photoshop CS6		0%	233.4 MB	0 MB/s	0 Mbps
Firefox (32 bit)		1.7%	162.4 MB	0.4 MB/s	0.1 Mbps
Microsoft Word (32 bit)		0%	12.7 MB	0 MB/s	0 Mbps
Task Manager		0.3%	11.2 MB	0 MB/s	0 Mbps
Windows Explorer (2)		0.5%	52.9 MB	0 MB/s	0 Mbps
Background processes (55)					
Adobe Acrobat Update Service (...		0%	0.3 MB	0 MB/s	0 Mbps
Adobe CS6 Service Manager (32...		0%	1.2 MB	0 MB/s	0 Mbps
Application Frame Host		0%	2.2 MB	0 MB/s	0 Mbps
Bonjour Service		0%	0.7 MB	0 MB/s	0 Mbps
COM Surrogate		0%	0.6 MB	0 MB/s	0 Mbps
Cortana		0%	63.9 MB	0 MB/s	0 Mbps
Device Association Framework ...		0%	4.1 MB	0 MB/s	0 Mbps
Dropbox (32 bit)		0%	95.9 MB	0 MB/s	0 Mbps
dynamiclinkmanager (32 bit)		0%	6.7 MB	0 MB/s	0 Mbps
EPSON Status Monitor 3		0%	0.1 MB	0 MB/s	0 Mbps

3 The Start-up tab shows you a list of the apps that run every time you launch Windows. On the left column is the name of the app, followed by the manufacturer's name, then the status: enabled or disabled. The right column shows the impact on start-up speed.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services

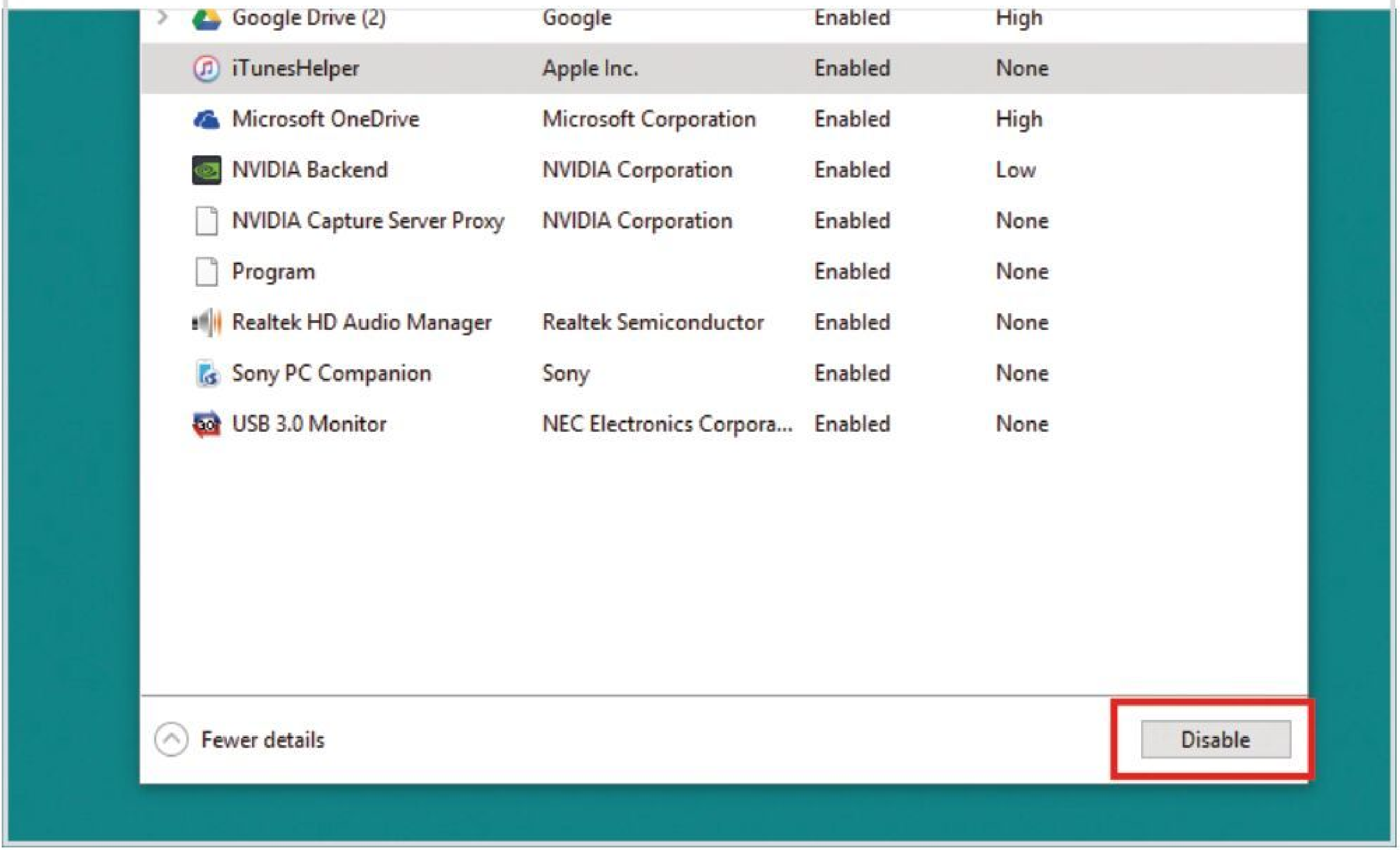
Name	Publisher	Status	Start-up impact
Adobe Updater Startup Utility	Adobe Systems Incorpor...	Disabled	None
BIOS detect tool	DeviceVM, Inc.	Disabled	None
Dropbox (3)	Dropbox, Inc.	Enabled	High
Dropbox Update (3)	Dropbox, Inc.	Enabled	Low
EPSON Status Monitor 3	SEIKO EPSON CORPORA...	Disabled	None
GamingMouseEditor.exe		Disabled	None
Google Drive (2)	Google	Enabled	High
iTunesHelper	Apple Inc.	Disabled	None
Microsoft OneDrive	Microsoft Corporation	Enabled	High
NVIDIA Backend	NVIDIA Corporation	Enabled	Low
NVIDIA Capture Server Proxy	NVIDIA Corporation	Disabled	None
Program		Disabled	None
Realtek HD Audio Manager	Realtek Semiconductor	Disabled	None
Sony PC Companion	Sony	Disabled	None
USB 3.0 Monitor	NEC Electronics Corpora...	Disabled	None

4 Next you need to look through the list and decide which programs you really need to have starting up at launch, paying particular attention to any high impact apps. Things like iTunes Helper and cloud storage apps are prime examples.


Processes Performance App history Start-up Users Details Services

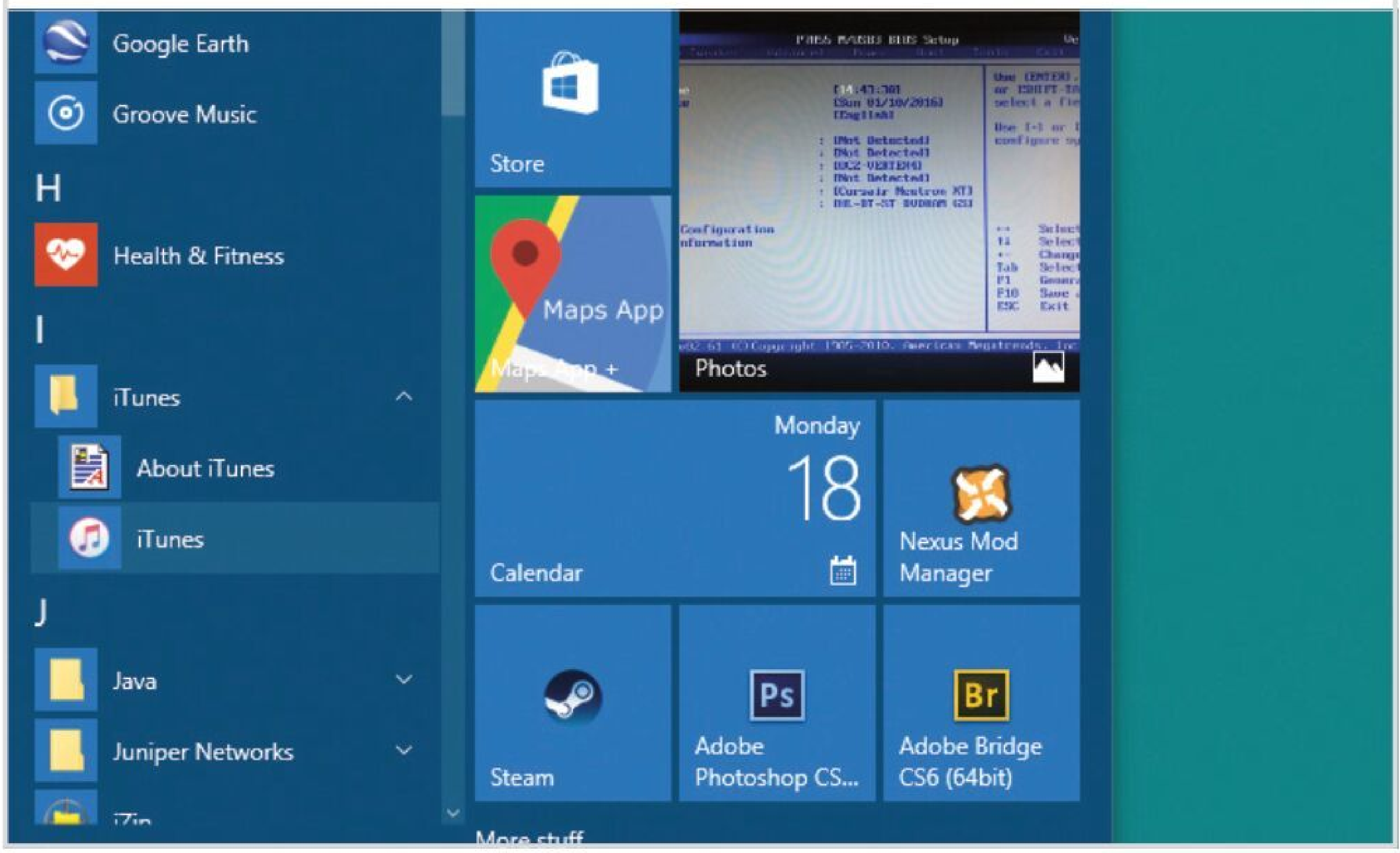
Name	Publisher	Status	Start-up impact
Adobe Updater Startup Utility	Adobe Systems Incorpor...	Enabled	None
BIOS detect tool	DeviceVM, Inc.	Enabled	None
Dropbox (3)	Dropbox, Inc.	Enabled	High
Dropbox Update (3)	Dropbox, Inc.	Enabled	Low
EPSON Status Monitor 3	SEIKO EPSON CORPORA...	Enabled	None
GamingMouseEditor.exe		Enabled	None
Google Drive (2)	Google	Enabled	High
iTunesHelper	Apple Inc.	Enabled	None
Microsoft OneDrive	Microsoft Corporation	Enabled	High
NVIDIA Backend	NVIDIA Corporation	Enabled	Low
NVIDIA Capture Server Proxy	NVIDIA Corporation	Enabled	None
Program		Enabled	None
Realtek HD Audio Manager	Realtek Semiconductor	Enabled	None
Sony PC Companion	Sony	Enabled	None
USB 3.0 Monitor	NEC Electronics Corpora...	Enabled	None

5 To disable an app, select it and click on the Disable button at the bottom of the window. If you're wondering which apps it's safe to disable, the answer is all of them; Windows will still run, however it's best to leave your security app as an enabled start-up item.

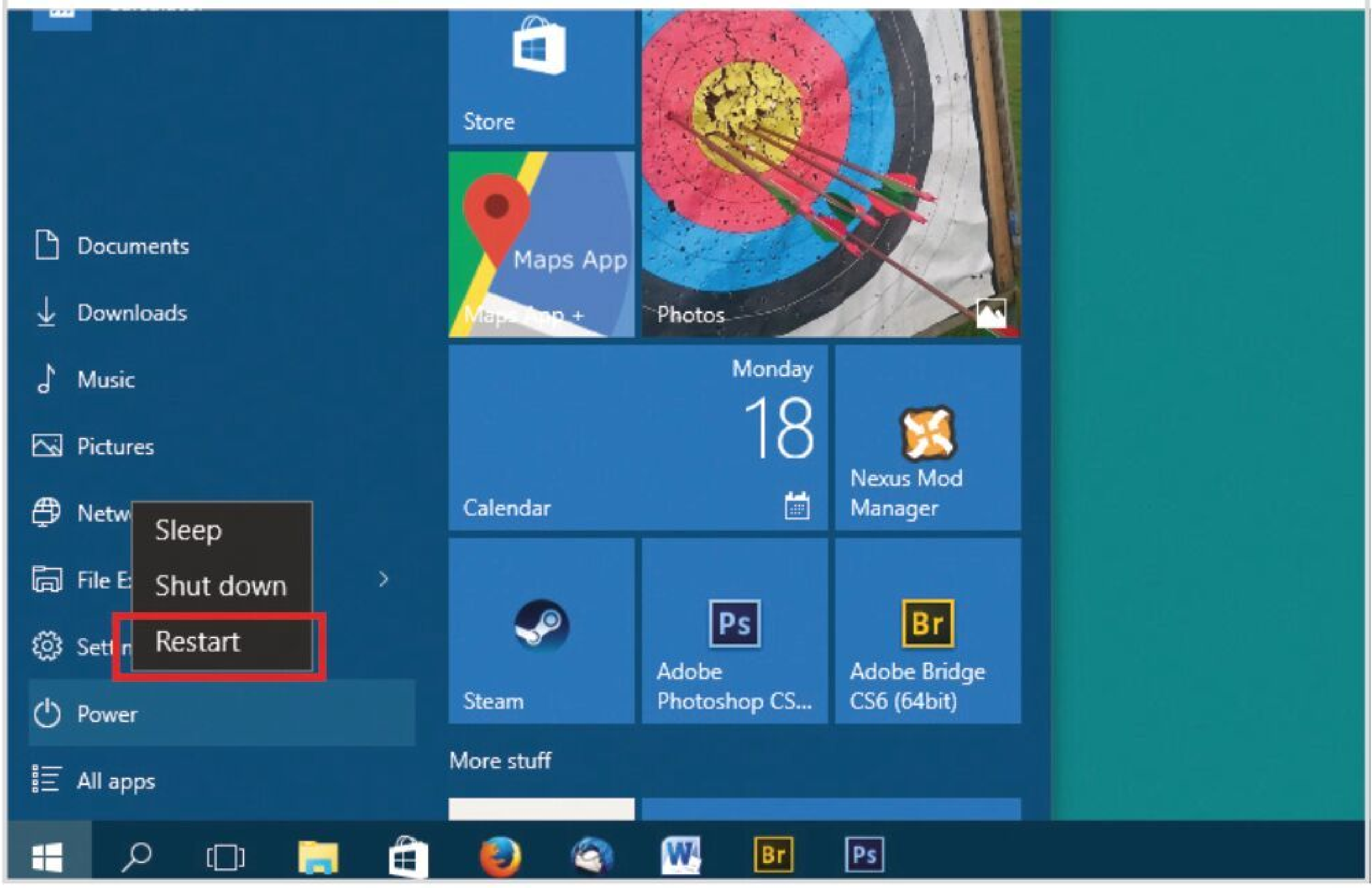

Fewer details
Disable

Google Drive (2)	Google	Enabled	High
iTunesHelper	Apple Inc.	Enabled	None
Microsoft OneDrive	Microsoft Corporation	Enabled	High
NVIDIA Backend	NVIDIA Corporation	Enabled	Low
NVIDIA Capture Server Proxy	NVIDIA Corporation	Enabled	None
Program		Enabled	None
Realtek HD Audio Manager	Realtek Semiconductor	Enabled	None
Sony PC Companion	Sony	Enabled	None
USB 3.0 Monitor	NEC Electronics Corpora...	Enabled	None

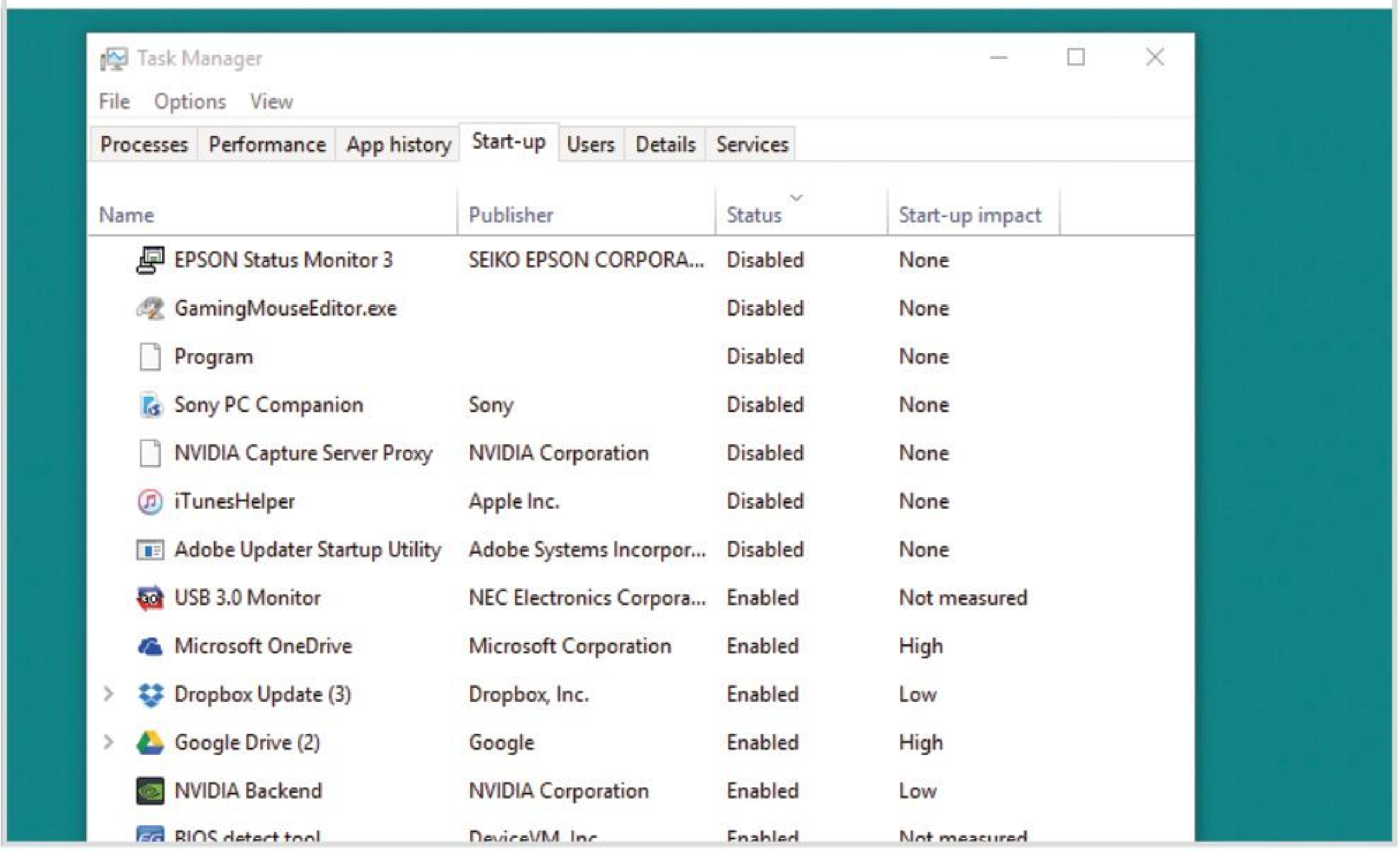
6 Note that disabling an app in the start-up menu doesn't uninstall the app from your system, and you can always start any app you need manually. All disabling an app in the start-up list does is to prevent it from starting on launch.


Google Earth
Groove Music
H
Health & Fitness
I
iTunes
About iTunes
iTunes
J
Java
Juniper Networks
Store
Maps App
Photos
Monday
18
Calendar
Nexus Mod Manager
Steam
Adobe Photoshop CS...
Adobe Bridge CS6 (64bit)
More stuff

7 Once you've been through the list and disabled any apps that don't need to start on launch, close the Task Manager and try restarting your PC. You should find that it now boots up more quickly.


Documents
Downloads
Music
Pictures
Netw
File E
Sett
Sleep
Shut down
Restart
Power
All apps
Store
Maps App
Photos
Monday
18
Calendar
Nexus Mod Manager
Steam
Adobe Photoshop CS...
Adobe Bridge CS6 (64bit)
More stuff

8 Whenever you install a new app it's a good idea to check the start-up list again to make sure that it hasn't added itself to your launch process; if it has, simply disable it to maintain your fast boot-up time.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services

Name	Publisher	Status	Start-up impact
EPSON Status Monitor 3	SEIKO EPSON CORPORA...	Disabled	None
GamingMouseEditor.exe		Disabled	None
Program		Disabled	None
Sony PC Companion	Sony	Disabled	None
NVIDIA Capture Server Proxy	NVIDIA Corporation	Disabled	None
iTunesHelper	Apple Inc.	Disabled	None
Adobe Updater Startup Utility	Adobe Systems Incorpor...	Disabled	None
USB 3.0 Monitor	NEC Electronics Corpora...	Enabled	Not measured
Microsoft OneDrive	Microsoft Corporation	Enabled	High
Dropbox Update (3)	Dropbox, Inc.	Enabled	Low
Google Drive (2)	Google	Enabled	High
NVIDIA Backend	NVIDIA Corporation	Enabled	Low
BIOS detect tool	DeviceVM, Inc.	Enabled	Not measured

Working on Dual Monitors

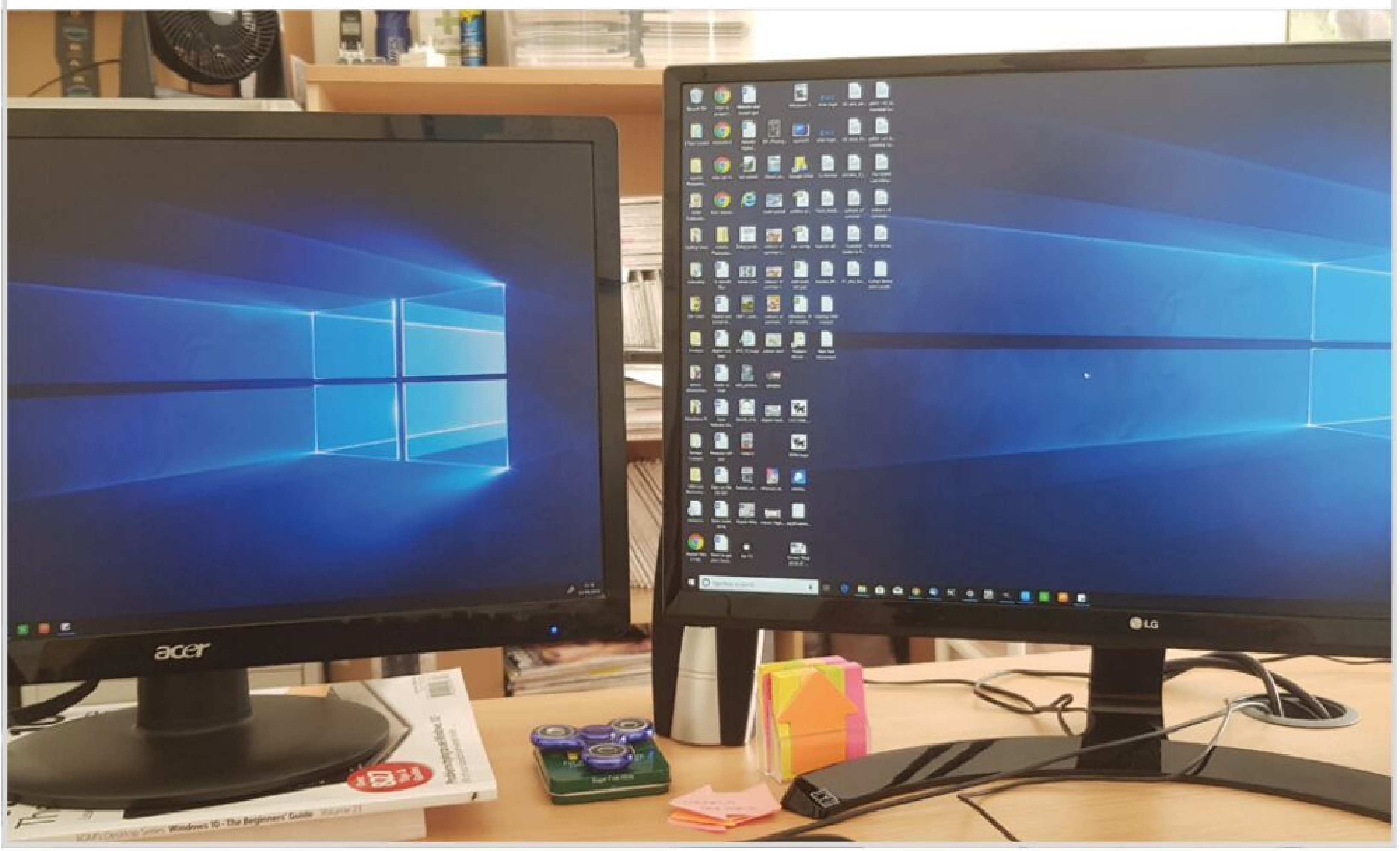
With a second monitor and the required connectors on your PC, setting up Windows 10 to display over two screens is easier than ever. Aside from looking pretty cool, having a second monitor can really help to increase productivity, and allow you to stay more organised when you are at your computer.

Setting Up Dual Display

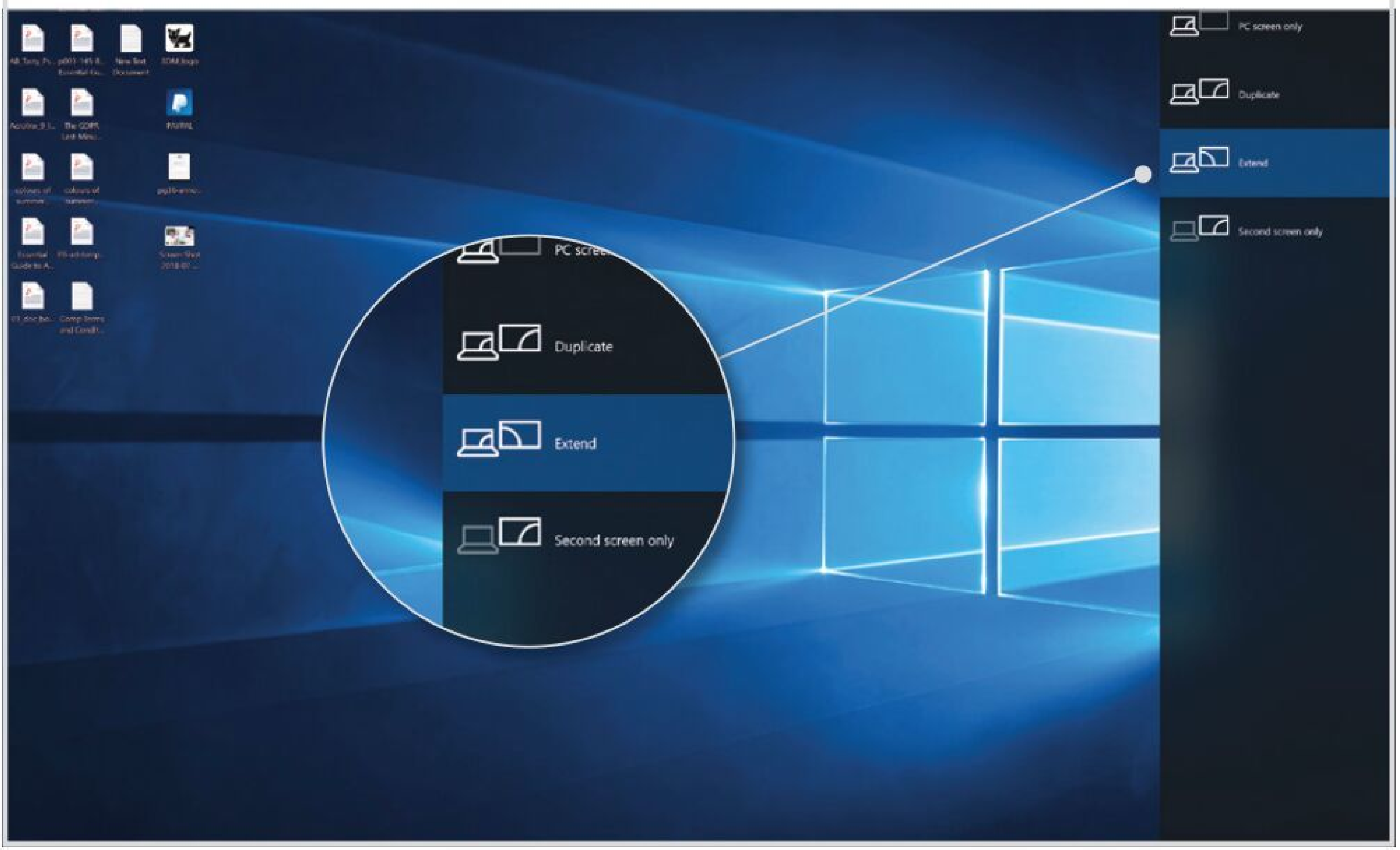
Matching up the resolution and size of your two chosen monitors will give the best results but even mismatched monitors can work really well in dual format.

1 You will obviously need to ensure that your PC has the requisite connections for two monitors (two HDMI, VGA or DVI ports, or a combination of these). Check the back of your PC tower or the side of your laptop to find out. With your PC turned off, connect both monitors to the available ports.

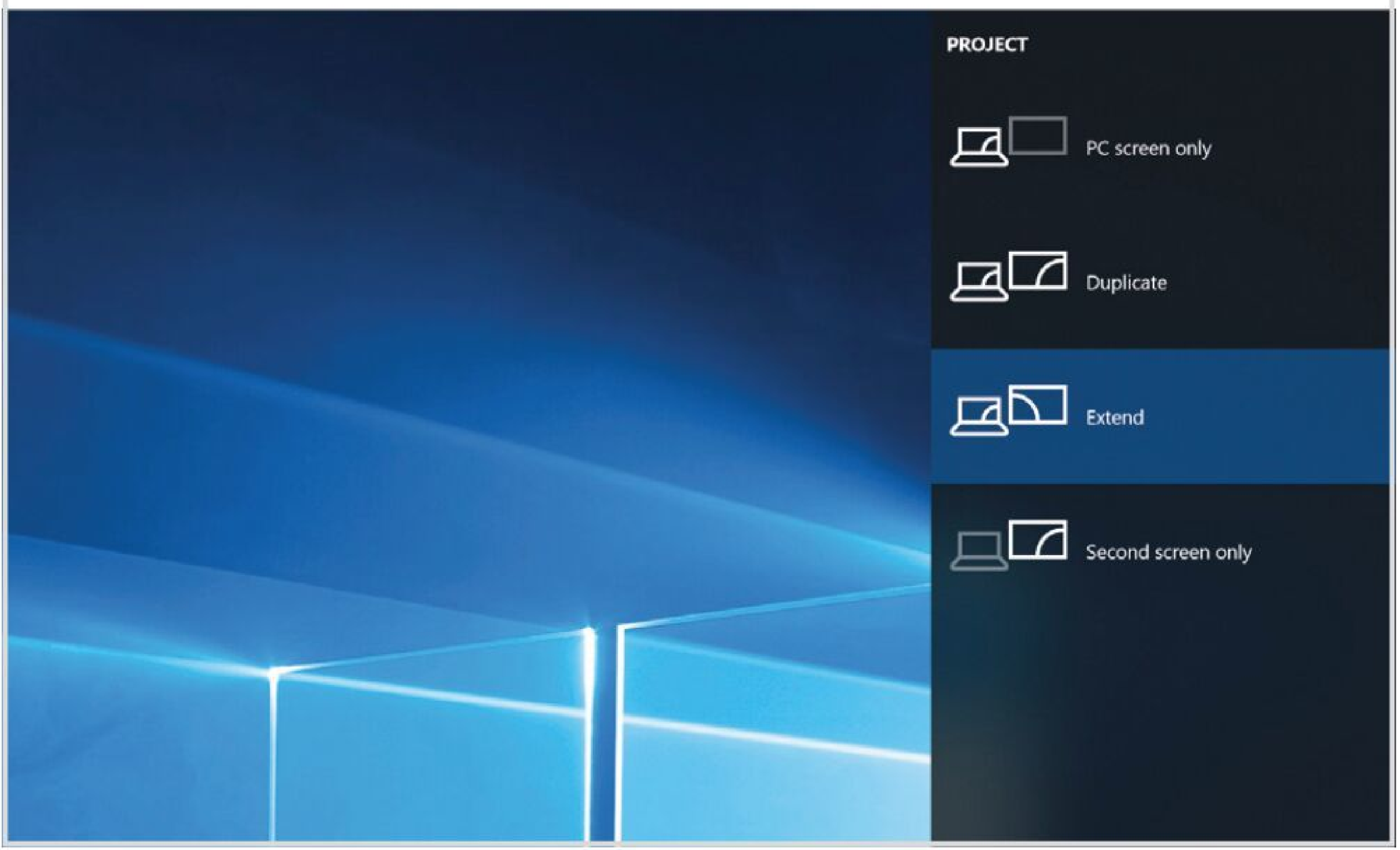
2 Boot up the computer and log in. Windows should automatically detect that two displays are connected and you should see both of them displaying a desktop. Your main display will have all of your icons on it, whilst the new second display will be blank apart from the taskbar along the bottom.



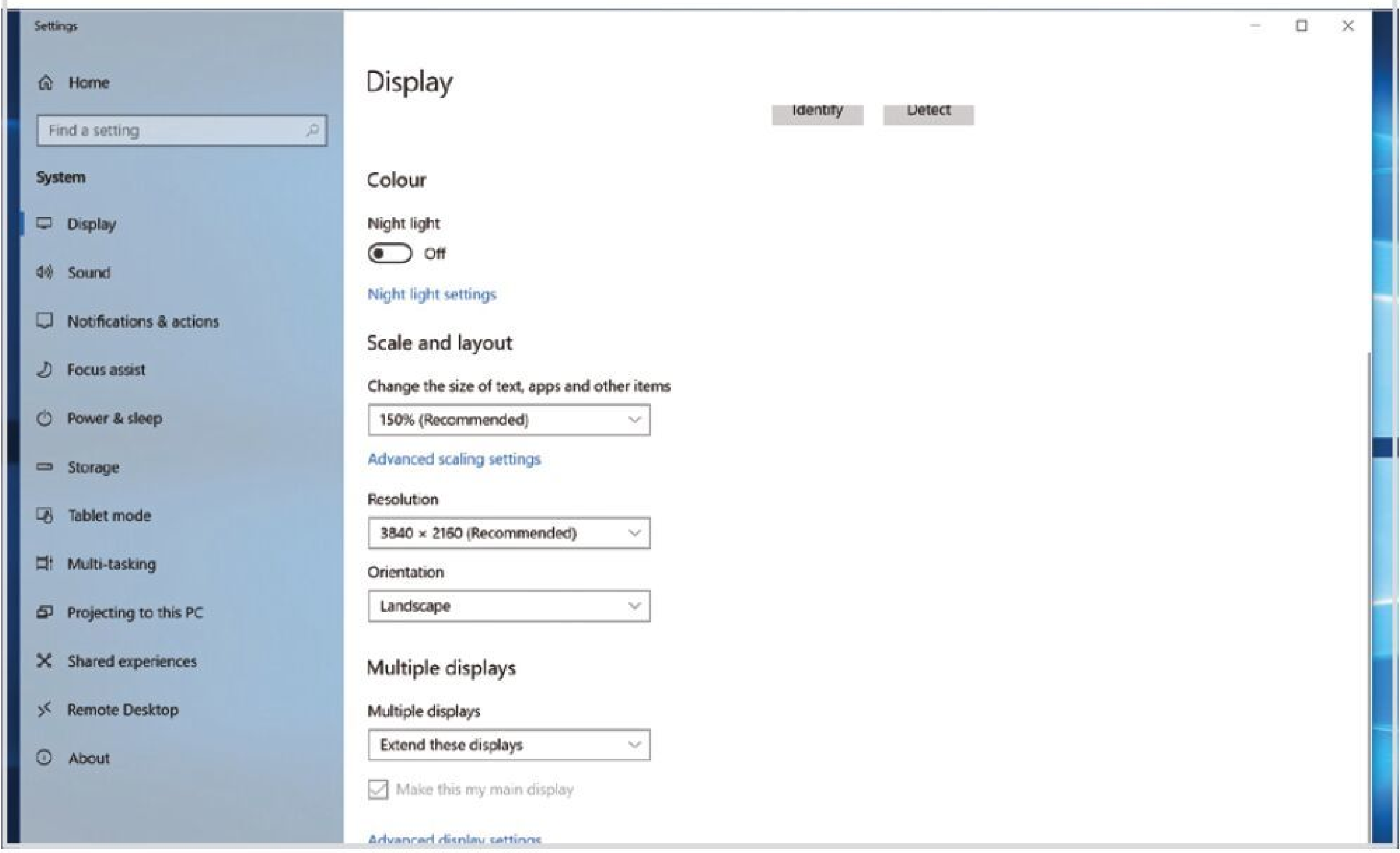
3 You will now need to configure the dual monitor setup to your liking. Windows 10 allows you to easily choose how the dual monitors display. Press Windows Key + P to see the Project side panel. Here you can choose from PC Screen Only, Duplicate, Extend or Second screen Only options.



4 PC screen Only and Second Screen only are fairly self-explanatory, displaying an image on one or the other screens. Duplicate is also fairly easy to understand, showing exactly the same display on both screens. Extend turns the two monitors to one long screen that you can spread out across.



5 The Extend option is the one which needs the most setting up. On the main display, right-click anywhere on the desktop and choose Display settings from the Action menu. Scrolling to the bottom of the display settings gives you another way to choose the display mode.


Settings
Home
Find a setting
System
Display
Sound
Notifications & actions
Focus assist
Power & sleep
Storage
Tablet mode
Multi-tasking
Projecting to this PC
Shared experiences
Remote Desktop
About
Identify
Detect
Night light settings
Advanced scaling settings
Advanced display settings

Display

Colour

Night light
Off

Scale and layout

Change the size of text, apps and other items
150% (Recommended)

Resolution
3840 × 2160 (Recommended)

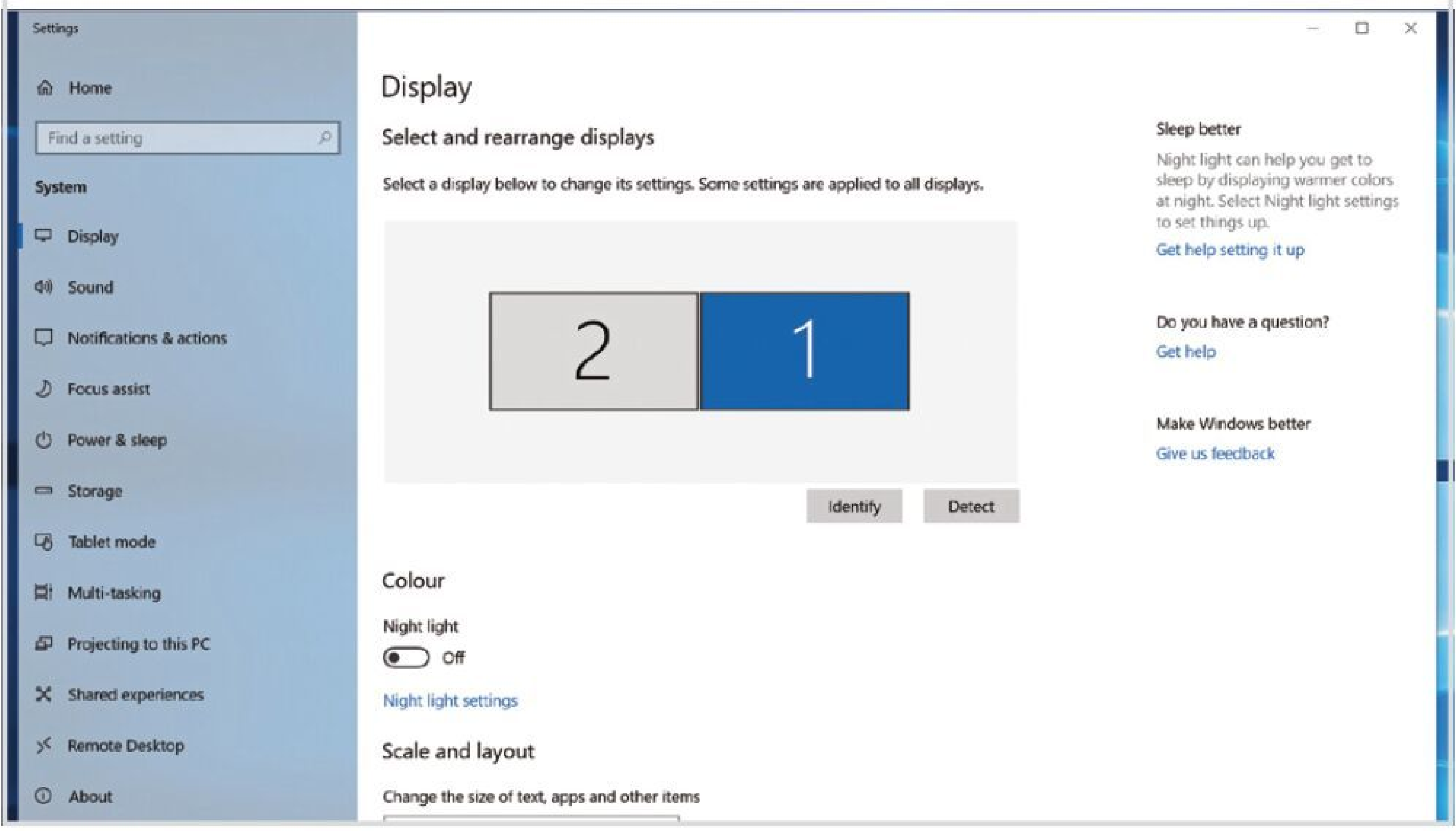
Orientation
Landscape

Multiple displays

Multiple displays
Extend these displays

☑ Make this my main display

6 At the top of the display settings are the two displays side-by-side. 1 is your main display and 2 is the secondary display. Which side of the screen the two monitors "join" at (which side allows you to move on to the second monitor) is controlled by dragging the display boxes here to the left or right.


Settings
Home
Find a setting
System
Display
Sound
Notifications & actions
Focus assist
Power & sleep
Storage
Tablet mode
Multi-tasking
Projecting to this PC
Shared experiences
Remote Desktop
About
2
1
Identify
Detect
Get help setting it up
Get help
Give us feedback
Night light settings

Display

Select and rearrange displays

Select a display below to change its settings. Some settings are applied to all displays.

Sleep better

Night light can help you get to sleep by displaying warmer colors at night. Select Night light settings to set things up.

Do you have a question?

Make Windows better

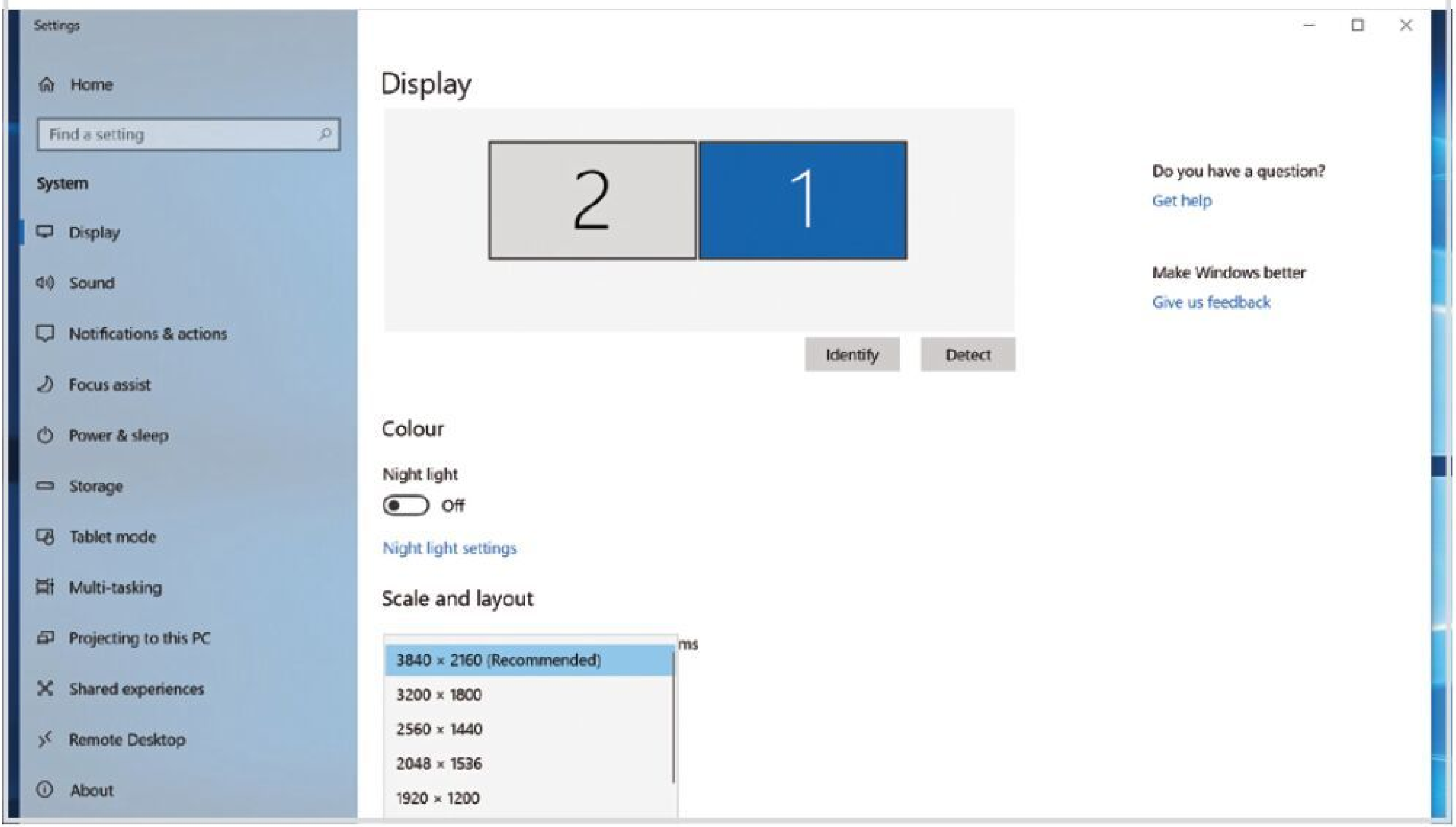
Colour

Night light
Off

Scale and layout

Change the size of text, apps and other items

7 You can view settings for each display independently, by clicking on one you want to see, and then scrolling down. You can change the scaling, orientation and resolution of each display to best suit the specification of the monitor, if it is the case that the two monitors have different maximum resolutions.


Settings
Home
Find a setting
System
Display
Sound
Notifications & actions
Focus assist
Power & sleep
Storage
Tablet mode
Multi-tasking
Projecting to this PC
Shared experiences
Remote Desktop
About
2
1
Identify
Detect
Get help
Give us feedback
Night light settings

Display

Do you have a question?

Make Windows better

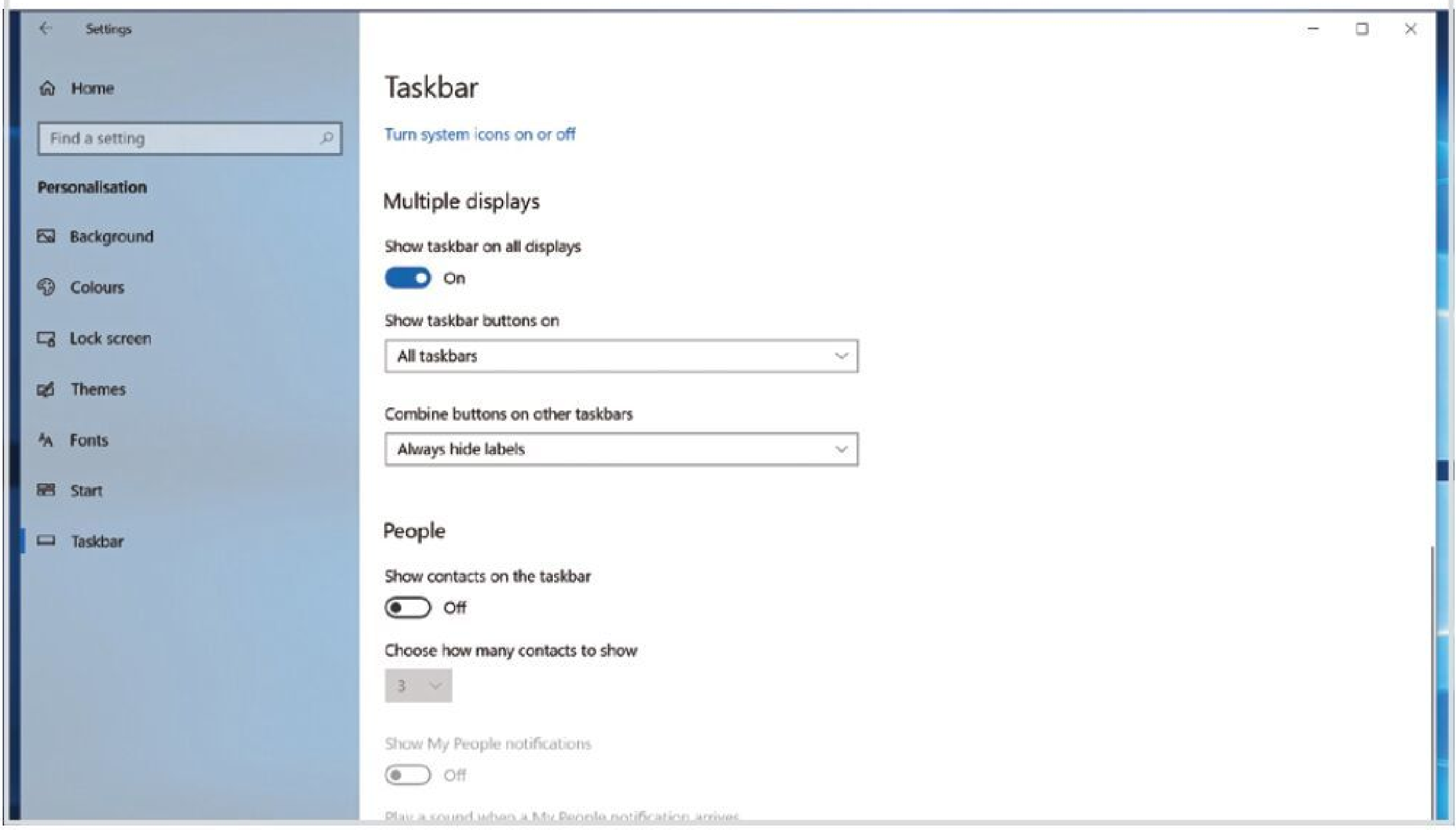
Colour

Night light
Off

Scale and layout

3840 × 2160 (Recommended)
3200 × 1800
2560 × 1440
2048 × 1536
1920 × 1200

8 If you don't want to see the taskbar on both displays, go to Settings > Personalisation > Taskbar, and scroll down to Multiple displays. You can then choose to turn off the taskbar on the second display. You can also spread a single wallpaper across both screen by selecting Span in Background settings.


Settings
Home
Find a setting
Personalisation
Background
Colours
Lock screen
Themes
Fonts
Start
Taskbar
Turn system icons on or off

Taskbar

Multiple displays

Show taskbar on all displays
On

Show taskbar buttons on
All taskbars

Combine buttons on other taskbars
Always hide labels

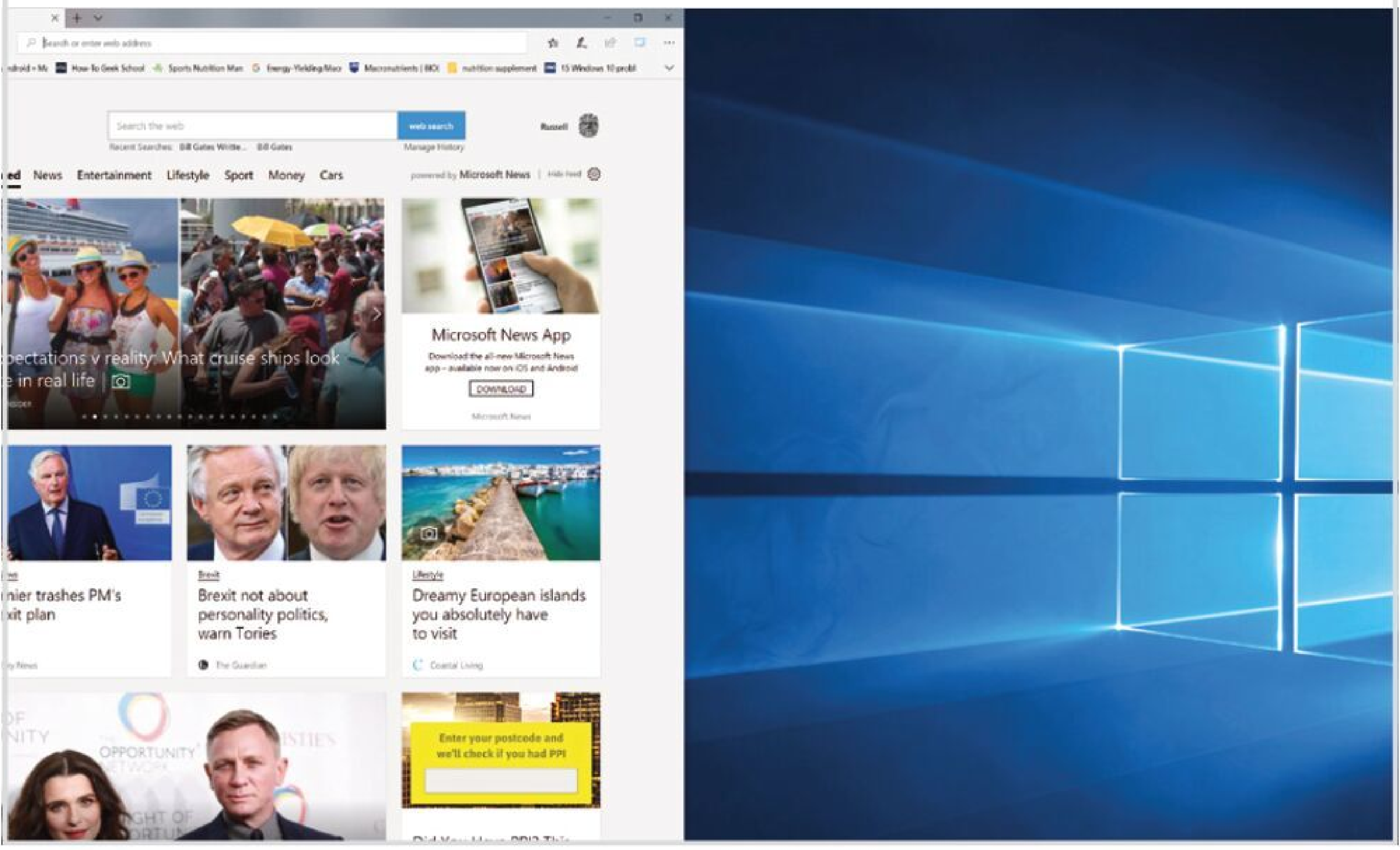
People

Show contacts on the taskbar
Off

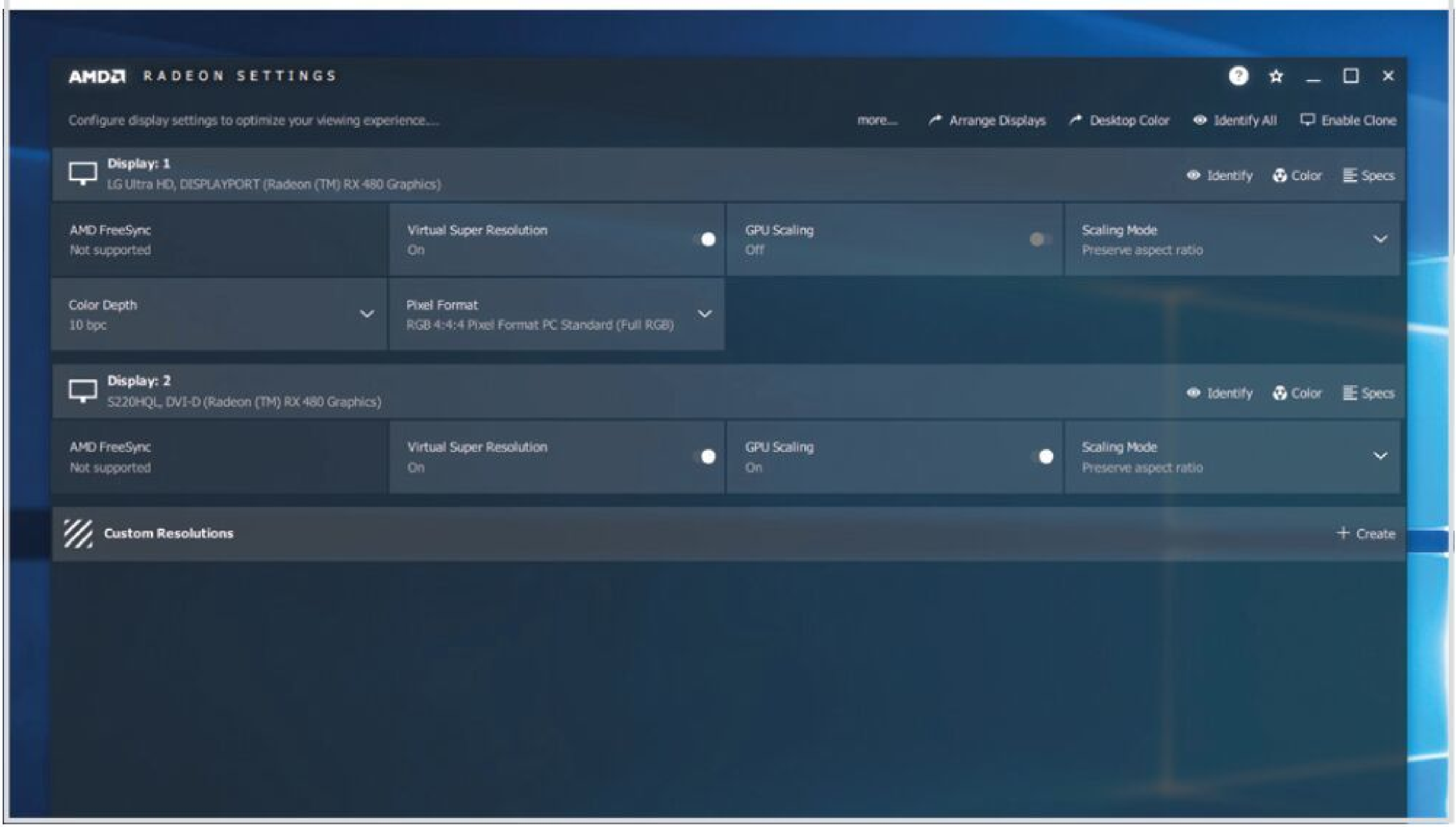
Choose how many contacts to show
3

Show My People notifications
Off

9 Spreading out across the two monitors in Extend mode is as easy as clicking and dragging a window, be that a browser window, app or anything else, to the "joined" side of the main screen. Just keep the mouse pointer moving and it will continue on to the second screen seamlessly.


News
Entertainment
Lifestyle
Sport
Money
Cars
Microsoft News App
Brexit not about personality politics, warn Tories
Dreamy European islands you absolutely have to visit

10 Depending on the graphics card software you have installed (Radeon for example), you will usually have further display options for the second monitor in the graphics adapter settings. This might include Virtual Super Resolution and GPU scaling, helping you match up resolution settings.


AMD RADEON SETTINGS
more...
Arrange Displays
Desktop Color
Identify All
Enable Clone
Identify
Color
Specs
Custom Resolutions
Create

Configure display settings to optimize your viewing experience....

Display: 1
LG Ultra HD, DISPLAYPORT (Radeon (TM) RX 480 Graphics)

AMD FreeSync
Not supported

Virtual Super Resolution
On

GPU Scaling
Off

Scaling Mode
Preserve aspect ratio

Color Depth
10 bpc

Pixel Format
RGB 4:4:4 Pixel Format PC Standard (Full RGB)

Display: 2
S220HQL, DVI-D (Radeon (TM) RX 480 Graphics)

AMD FreeSync
Not supported

Virtual Super Resolution
On

GPU Scaling
On

Scaling Mode
Preserve aspect ratio

Windows 10 Registry Tweaks

The Windows Registry can be a scary place to visit if you don't understand how things work. It is true that there are often simpler ways to action some of the changes shown below but understanding the inner workings of your Windows 10 PC is key to understanding how to accomplish more with your screen time.

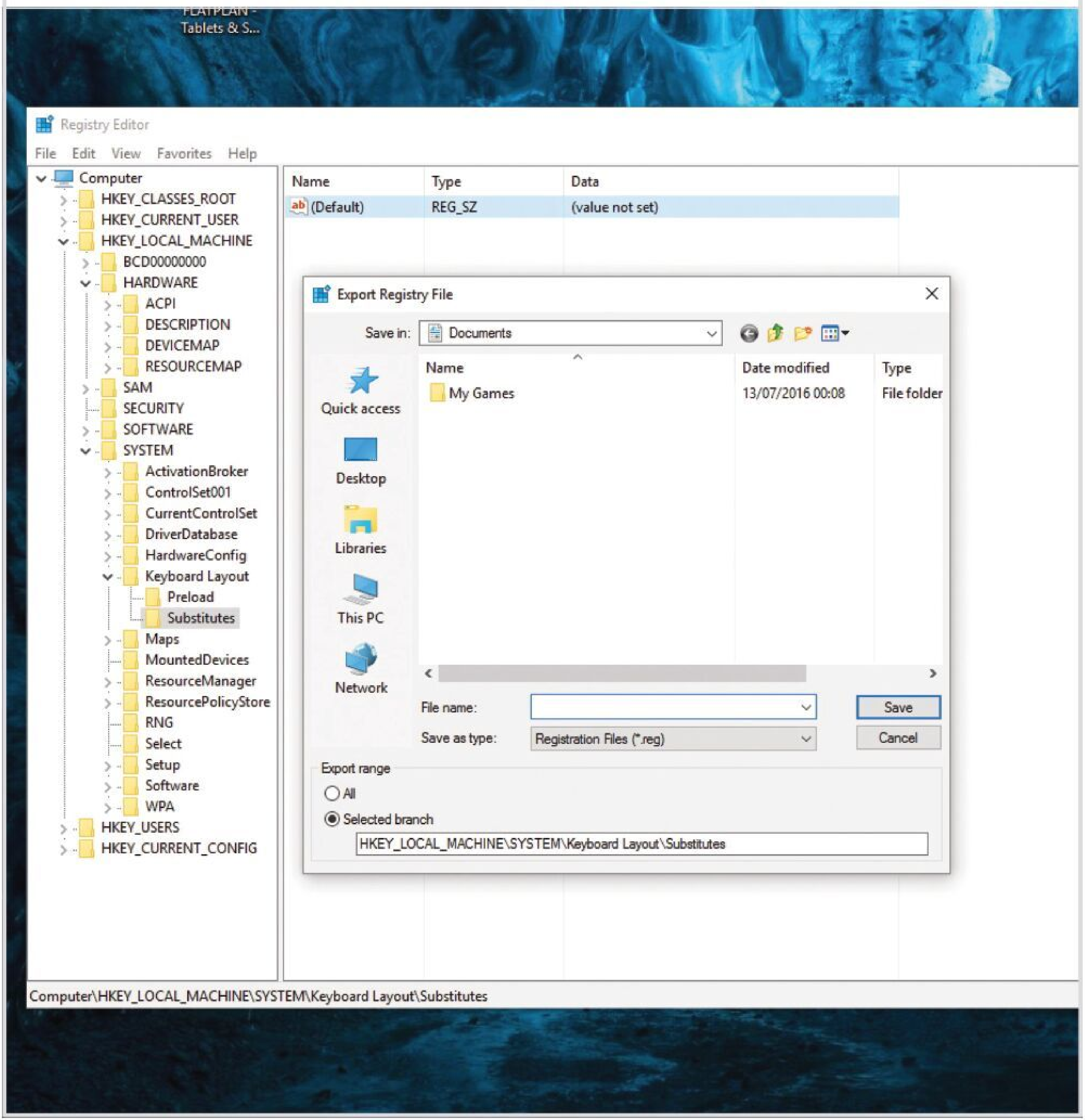
WHAT IS THE REGISTRY?

The Windows Registry is a hierarchical database that stores low-level settings for the Microsoft Windows operating system and for applications that opt to use the Registry. The kernel, device drivers, services, Security Accounts Manager (SAM) and user interface can all use the Registry. The Registry also allows access to counters for profiling system performance. Prior to the Windows Registry .INI files stored each program's settings as a text file, often located in a shared location that did not provide user specific settings in a multi-user scenario. By contrast the Windows Registry stores all application settings in one logical repository, a number of discrete files, and in a standardised form.

Backing Up Your Registry

Before you edit any part of your system registry, it is always a good idea to make a backup of all keys that you intend to edit. Here we will look at the simple and quick method of backing up Windows Registry keys.

1 You can back up any of the keys in the registry by right-clicking on any of them in the editor and then selecting Export. This will save into a .reg file that can be run to reapply the old value of that key at a later date. This is the minimum backup step you should take before editing.


Registry Editor
File Edit View Favorites Help
Computer
HKEY_CLASSES_ROOT
HKEY_CURRENT_USER
HKEY_LOCAL_MACHINE
BCD00000000
HARDWARE
ACPI
DESCRIPTION
DEVICEMAP
RESOURCEMAP
SAM
SECURITY
SOFTWARE
SYSTEM
ActivationBroker
ControlSet001
CurrentControlSet
DriverDatabase
HardwareConfig
Keyboard Layout
Preload
Substitutes
Maps
MountedDevices
ResourceManager
ResourcePolicyStore
RNG
Select
Setup
Software
WPA
HKEY_USERS
HKEY_CURRENT_CONFIG
Name
Type
Data
(Default)
REG_SZ
(value not set)
Export Registry File
Quick access
Desktop
Libraries
This PC
Network
Name
Date modified
Type
My Games
13/07/2016 00:08
File folder
File name:
Save
Cancel
Export range
All

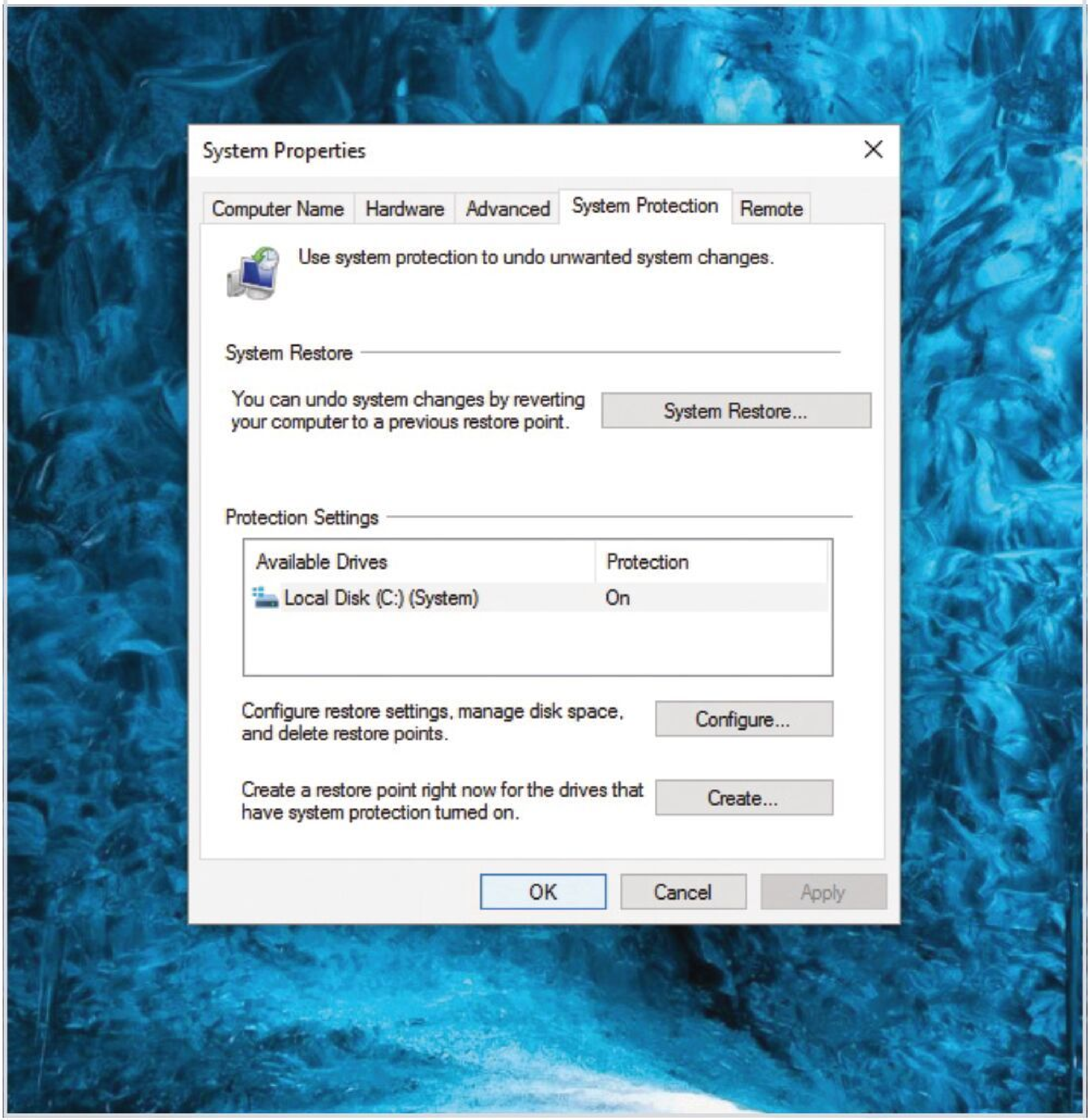
Save in: Documents

Save as type: Registration Files (*.reg)

● Selected branch: HKEY_LOCAL_MACHINE\SYSTEM\Keyboard Layout\Substitutes

Computer\HKEY_LOCAL_MACHINE\SYSTEM\Keyboard Layout\Substitutes

2 An easier backup method is to make a System Restore point that includes a snapshot of the registry. Go to Start, type restore, select Create a restore point, select a drive and click Configure…; then pick Turn on system protection, set the Max Usage space and click OK.


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
System Restore
System Restore...
Protection Settings
Available Drives
Protection
Configure...
Create...
OK
Cancel
Apply

Use system protection to undo unwanted system changes.

You can undo system changes by reverting your computer to a previous restore point.

Available Drives	Protection
Local Disk (C:) (System)	On

Configure restore settings, manage disk space, and delete restore points.

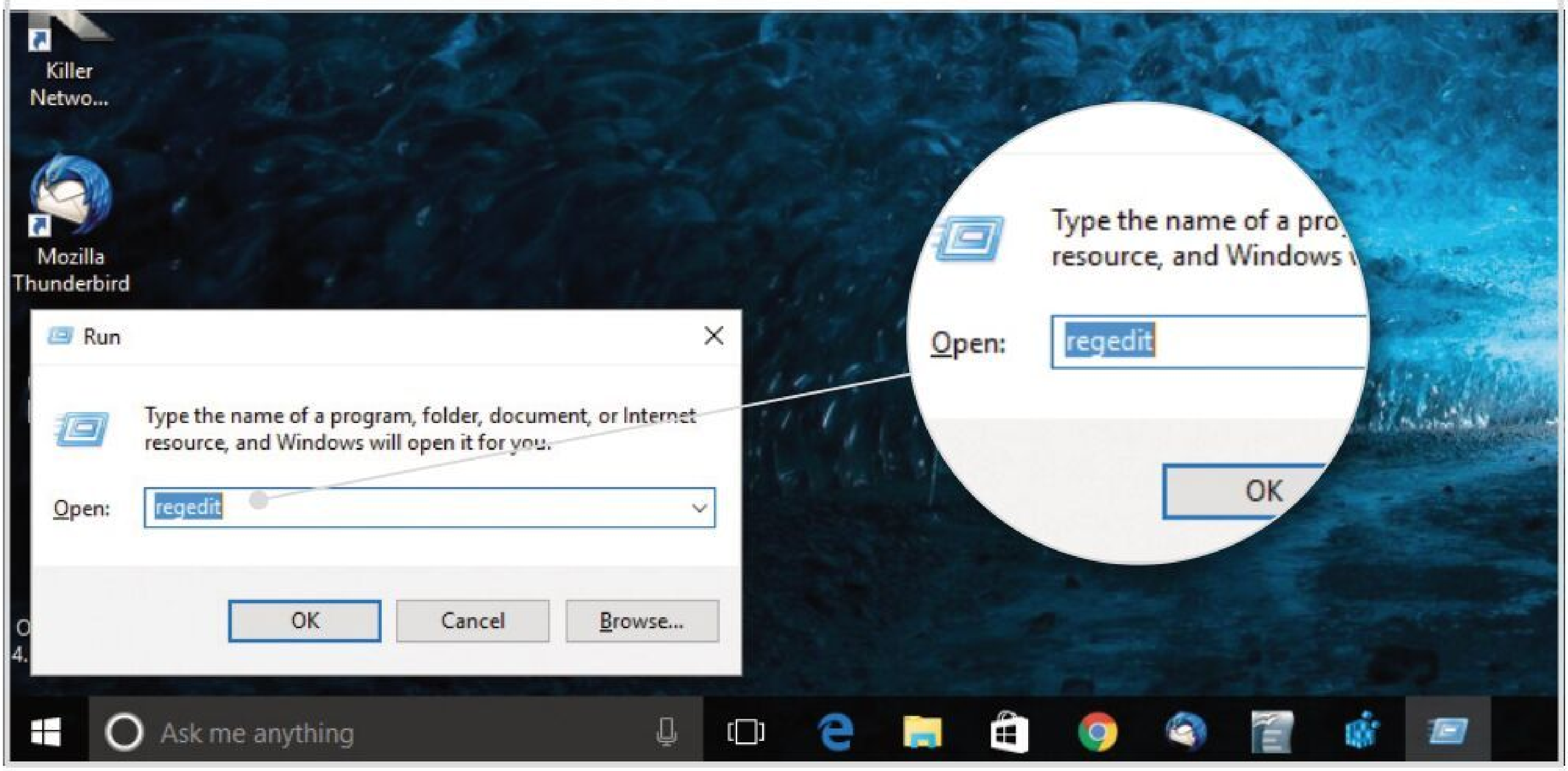
Create a restore point right now for the drives that have system protection turned on.

Registry Tweaks

So let's get down to tweaking some registry keys. Registry keys always start with HKEY, followed by the location in the file system. Once you find and select the HKEY you want, you will see that further options are available.

1. Access the Editor

To open the registry editor, all you have to do is open the Run prompt with Windows Key + R, then type in `regedit` and hit Enter. If you know a certain value you want to change, you can navigate through the registry to find it by clicking the + sign next to each registry key.



Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

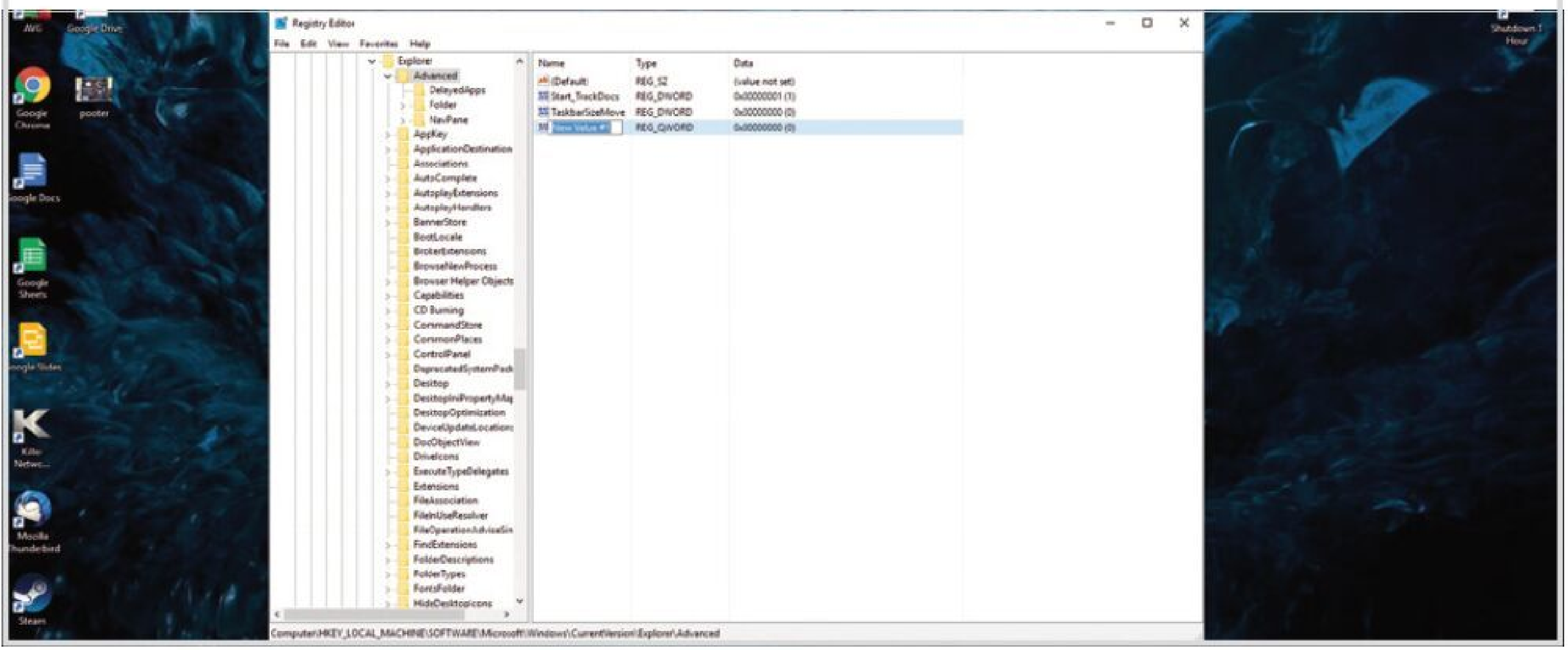
Open: regedit

OK
Cancel
Browse...
Killer Netwo...
Mozilla Thunderbird
Ask me anything

2. Increase Taskbar Transparency

In Registry Editor, go to following key: `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Advanced`

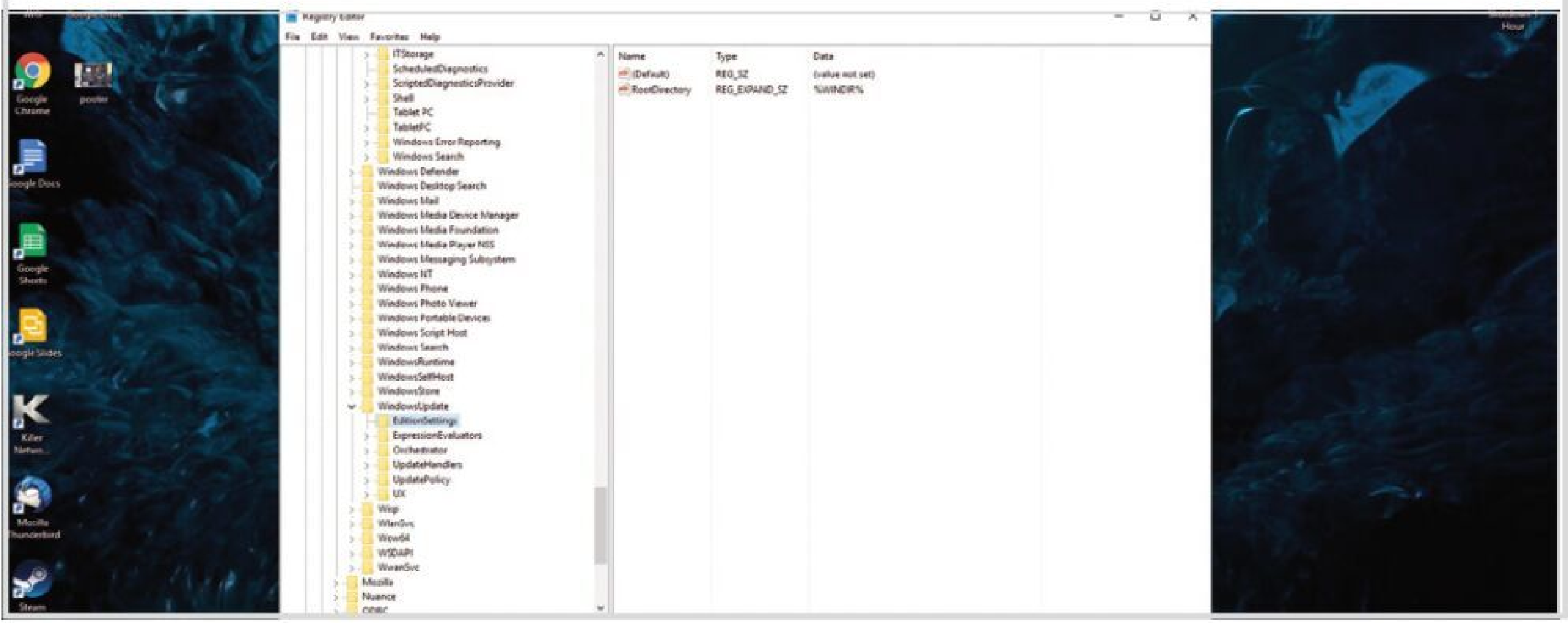
In the right side pane, create new DWORD `UseOLEDTaskbarTransparency` and set its value to 1.



3. Prevent Windows Update from Automatically Restarting

In Registry Editor, go to following key: `HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\WindowsUpdate\AUkey`

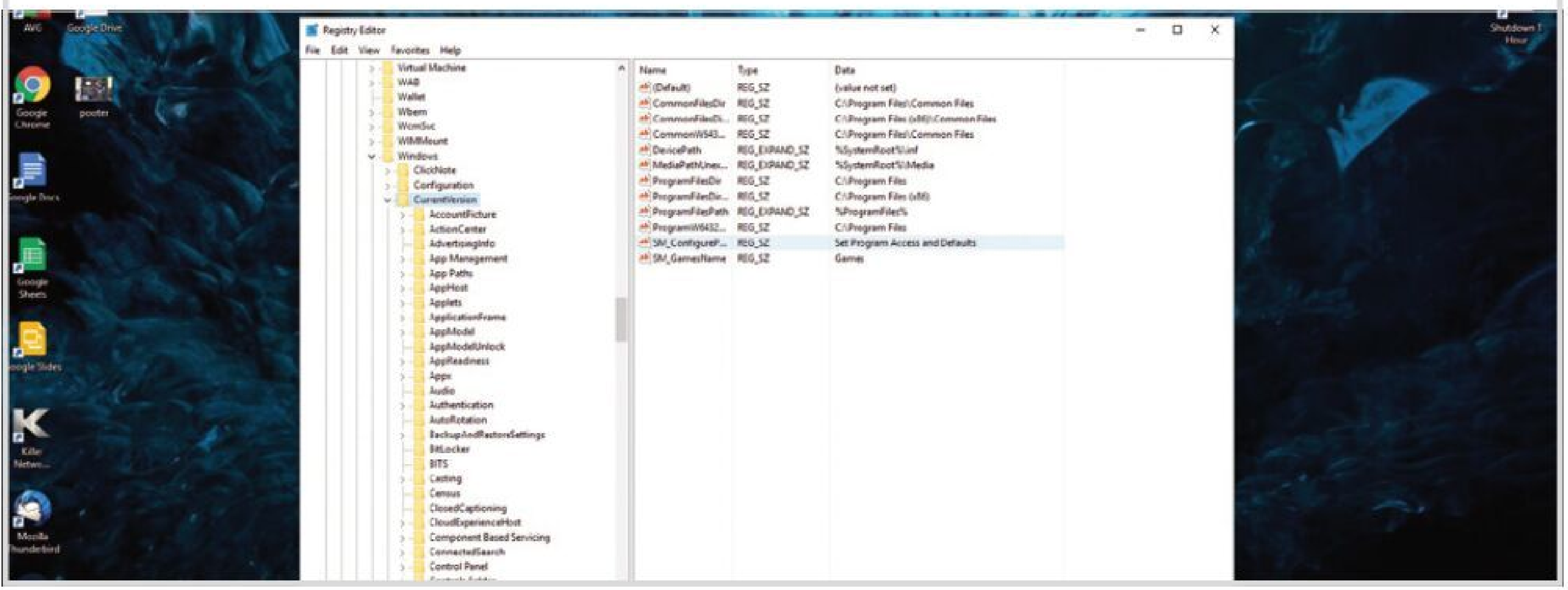
Right-click in the right pane and create a new 32-bit DWORD value named: `NoAutoRebootWithLoggedOnUsers`. Set its value to 1.



4. Disable System Tray Notification Balloon Pop-ups

In Registry Editor, go to following key: `HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\Advanced`

Create a new DWORD value, name it `EnableBalloonTips` and set its value to 0.disable Wi-Fi Sense and Application Telemetry.

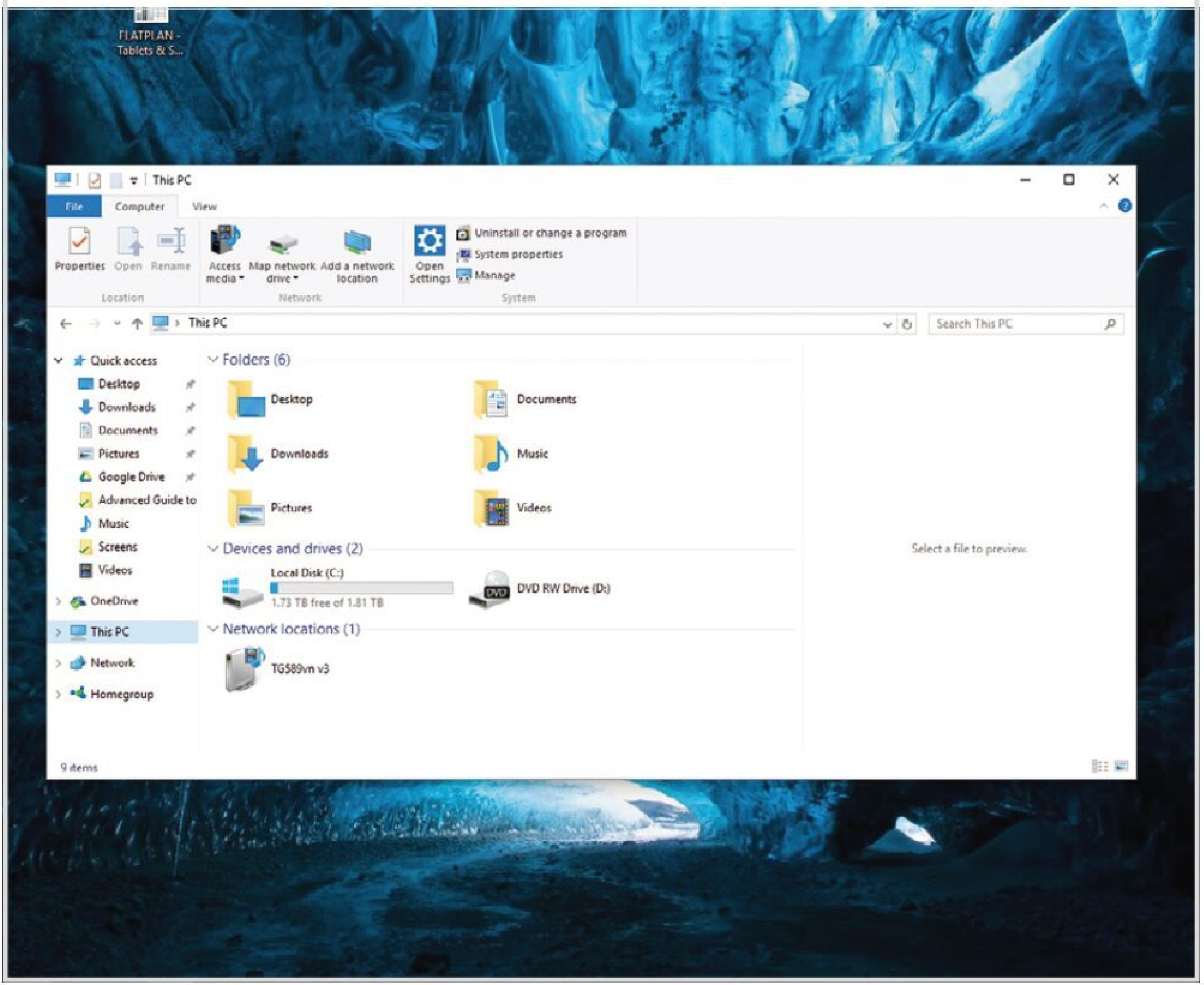


5. Hide Folders from This PC

In Registry Editor, go to following key: `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\FolderDescriptions\<FOLDER-GUID>\PropertyBag`.

Substitute the **<FOLDER-GUID>** above with one of these:
Desktop: {B4BFCC3A-DB2C-424C-B029-7FE99A87C641}
Documents: {f42ee2d3-909f-4907-8871-4c22fc0bf756}
Downloads: {7d83ee9b-2244-4e70-b1f5-5393042af1e4}
Music: {a0c69a99-21c8-4671-8703-7934162fcf1d}
Pictures: {0ddd015d-b06c-45d5-8c4c-f59713854639}
Videos: {35286a68-3c57-41a1-bbb1-0eae73d76c95}

If **ThisPCPolicy** is set to **Show**, then the folder is visible. If you change it to **Hide**, then the folder will be invisible.



This PC
File
Computer
View
Properties
Open
Rename
Access media
Map network drive
Add a network location
Open Settings
Uninstall or change a program
System properties
Manage
Location
Network
System
Quick access
Desktop
Downloads
Documents
Pictures
Google Drive
Advanced Guide to
Music
Screens
Videos
OneDrive
This PC
Network
Homegroup
Folders (6)
Desktop
Documents
Downloads
Music
Pictures
Videos
Devices and drives (2)
Local Disk (C:)
1.73 TB free of 1.81 TB
DVD RW Drive (D:)
Network locations (1)
TG589vn v3
Search This PC
Select a file to preview.
9 items

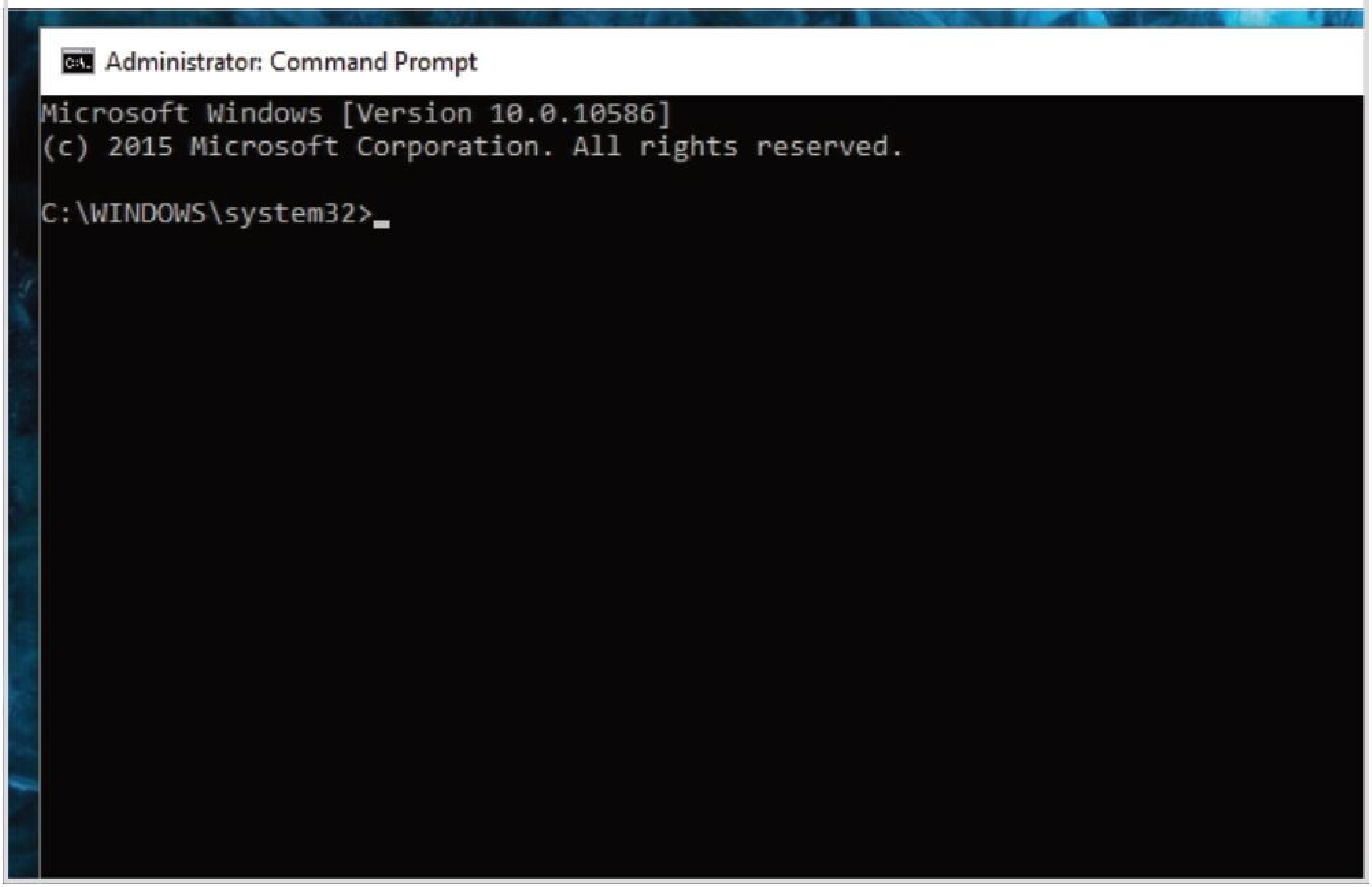
Add a Shutdown Timer to the Desktop

A shutdown timer allows you to delay the shutdown of your computer in the event that you need to leave it on while it completes a particular function, software updates for example, but can't stay around to shut it down manually. The process is fairly straightforward and the timer is unobtrusive.

Adding the Timer

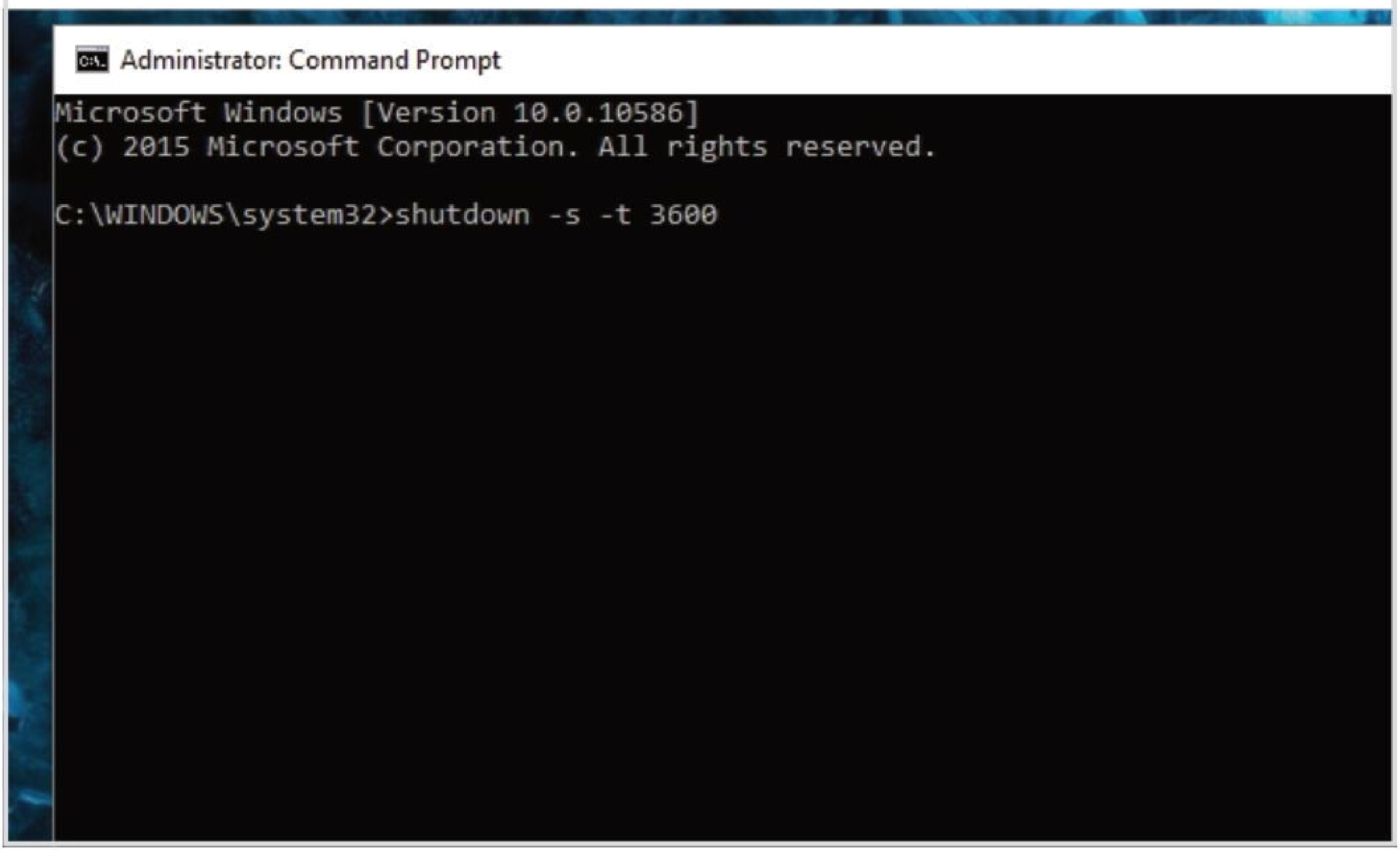
Before you can add a shutdown timer to the desktop, you need to understand how to create one using the Command Prompt tool. The initial set up might seem slightly complicated but is much easier after the first time.

1 The first thing you need to do to create a shutdown timer manually, is open the Command Prompt. You can do this easily by pressing Windows + X and then selecting "Command Prompt" or "Command Prompt (Admin)" from the menu that appears.


Administrator: Command Prompt

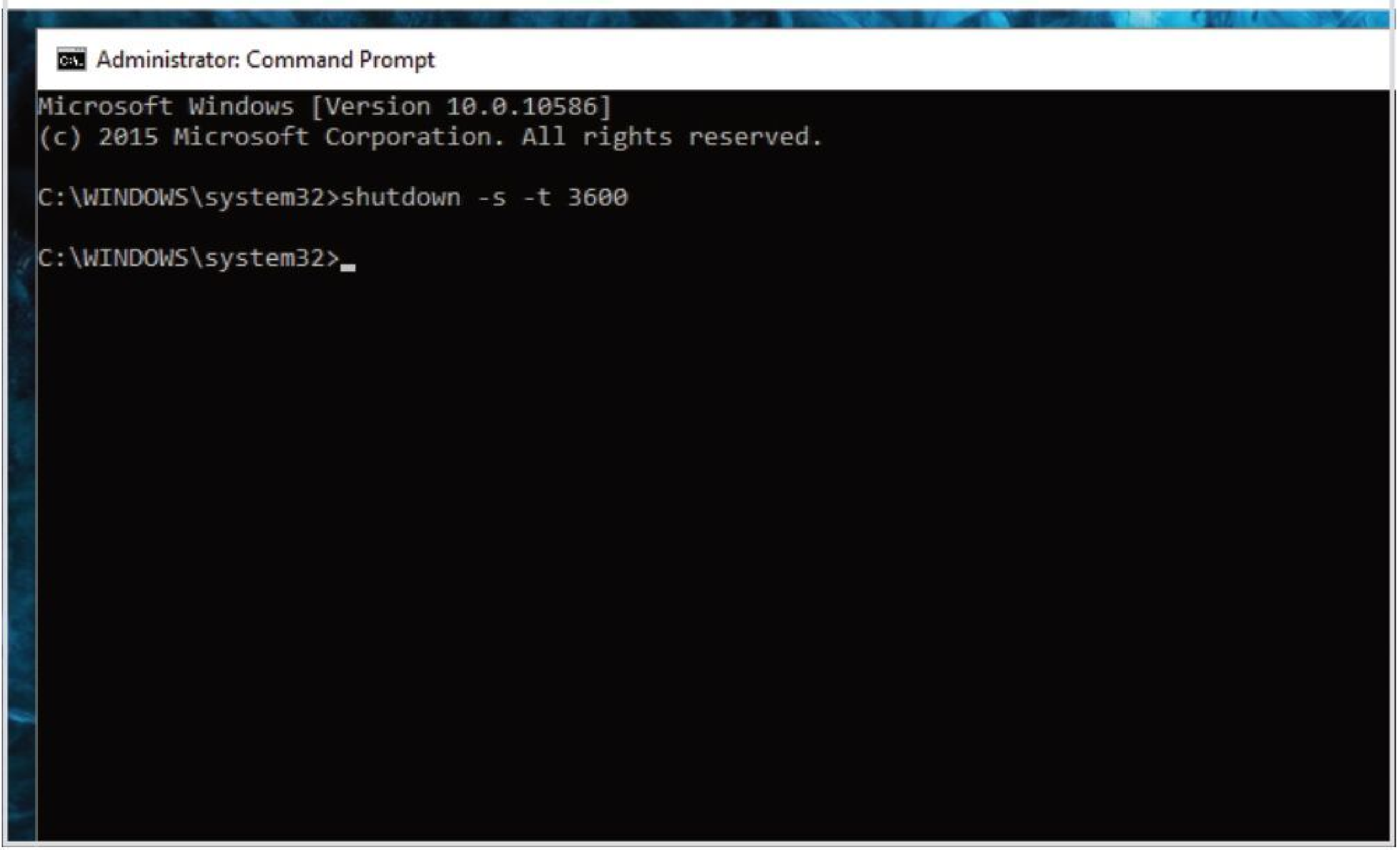
```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>_
```

2 In the Command Prompt, type the command `shutdown -s -t XXXX.` The "XXXX" should be the time in seconds you want to elapse before the computer shuts down. For instance if you want the computer to shut down in one hour, the command should look like `shutdown -s -t 3600`.


Administrator: Command Prompt

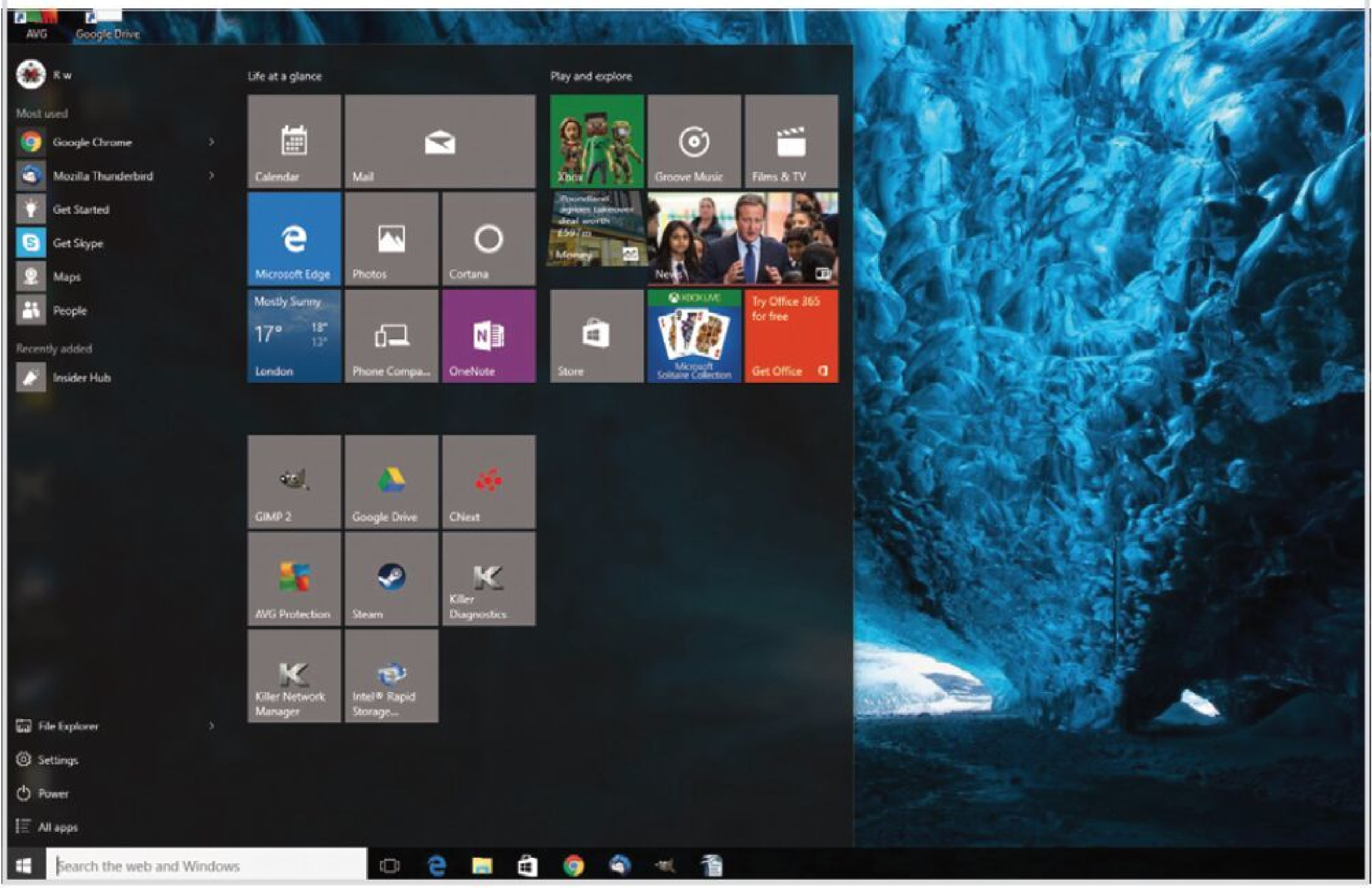
```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>shutdown -s -t 3600
```

3 Press Enter to complete the command and set the timer going; you won't see anything on screen just yet, that part comes in a moment. If you input the wrong time or entered the command by mistake, you can cancel the timer by typing `shutdown -a` in Command Prompt.

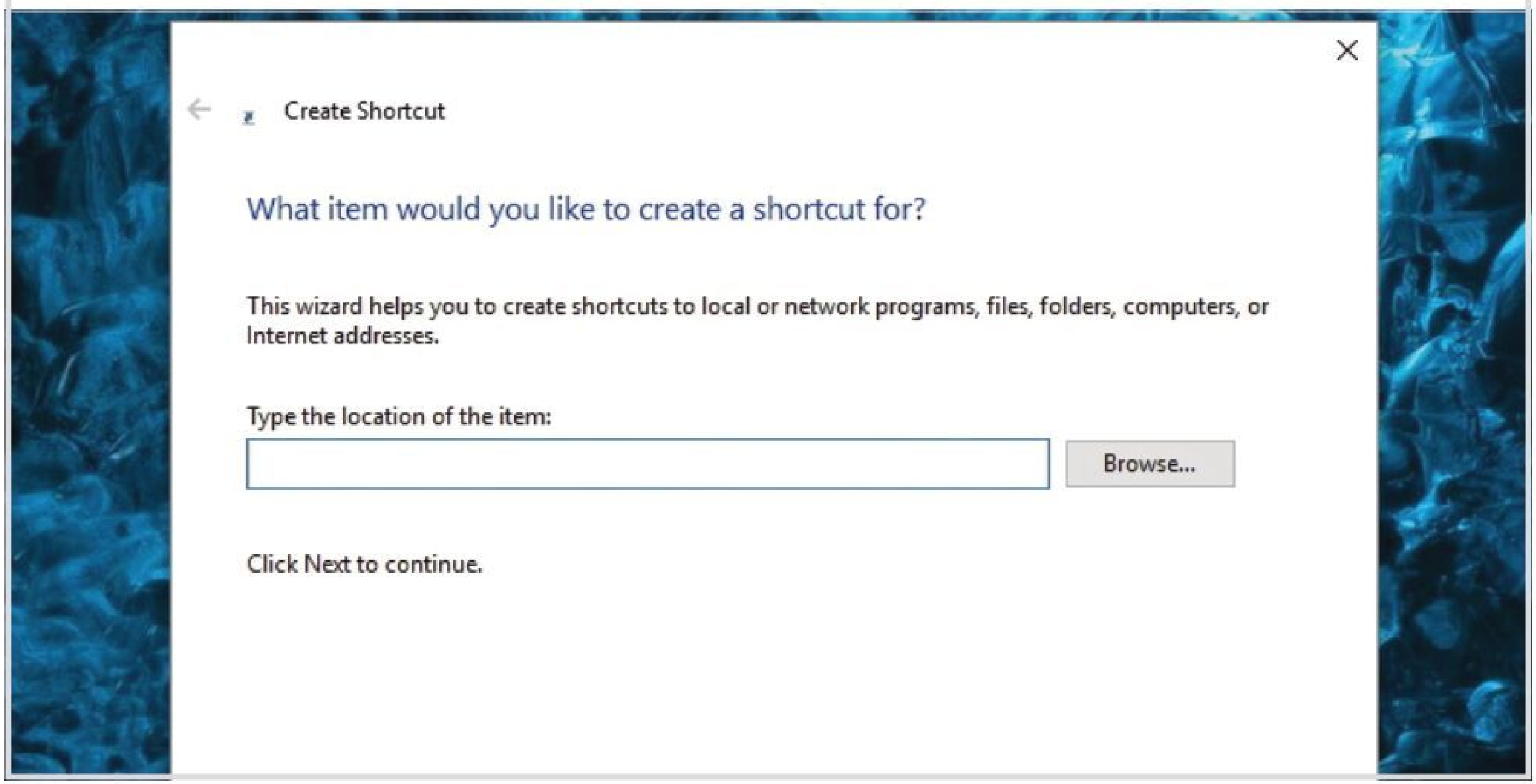

Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>shutdown -s -t 3600

C:\WINDOWS\system32>_
```

4 You can do this each time you need to use a shutdown timer, which is not really a problem if you only rarely use it, or you can create a shutdown timer shortcut that can be placed on the desktop. The only real problem with a shortcut is that the shutdown time is fixed.


AVG
Google Drive
Most used
Google Chrome
Mozilla Thunderbird
Get Started
Get Skype
Maps
People
Recently added
Insider Hub
File Explorer
Settings
Power
All apps
Life at a glance
Calendar
Mail
Microsoft Edge
Photos
Cortana
Mostly Sunny
17°
London
Phone Compa...
OneNote
Play and explore
Xbox
Groove Music
Films & TV
News
Store
Microsoft Solitaire Collection
Try Office 365 for free
Get Office
GIMP 2
Google Drive
CNext
AVG Protection
Steam
Killer Diagnostics
Killer Network Manager
Intel® Rapid Storage...
Search the web and Windows

5 Right-click on the desktop, hover over New and select Shortcut in the side menu. In the path field type `shutdown.exe -s -t XXXX` (where "XXXX" is the time in seconds) and click Next. Enter a name for the shortcut, for example "Shutdown 1 Hour", and click Finish.


Create Shortcut

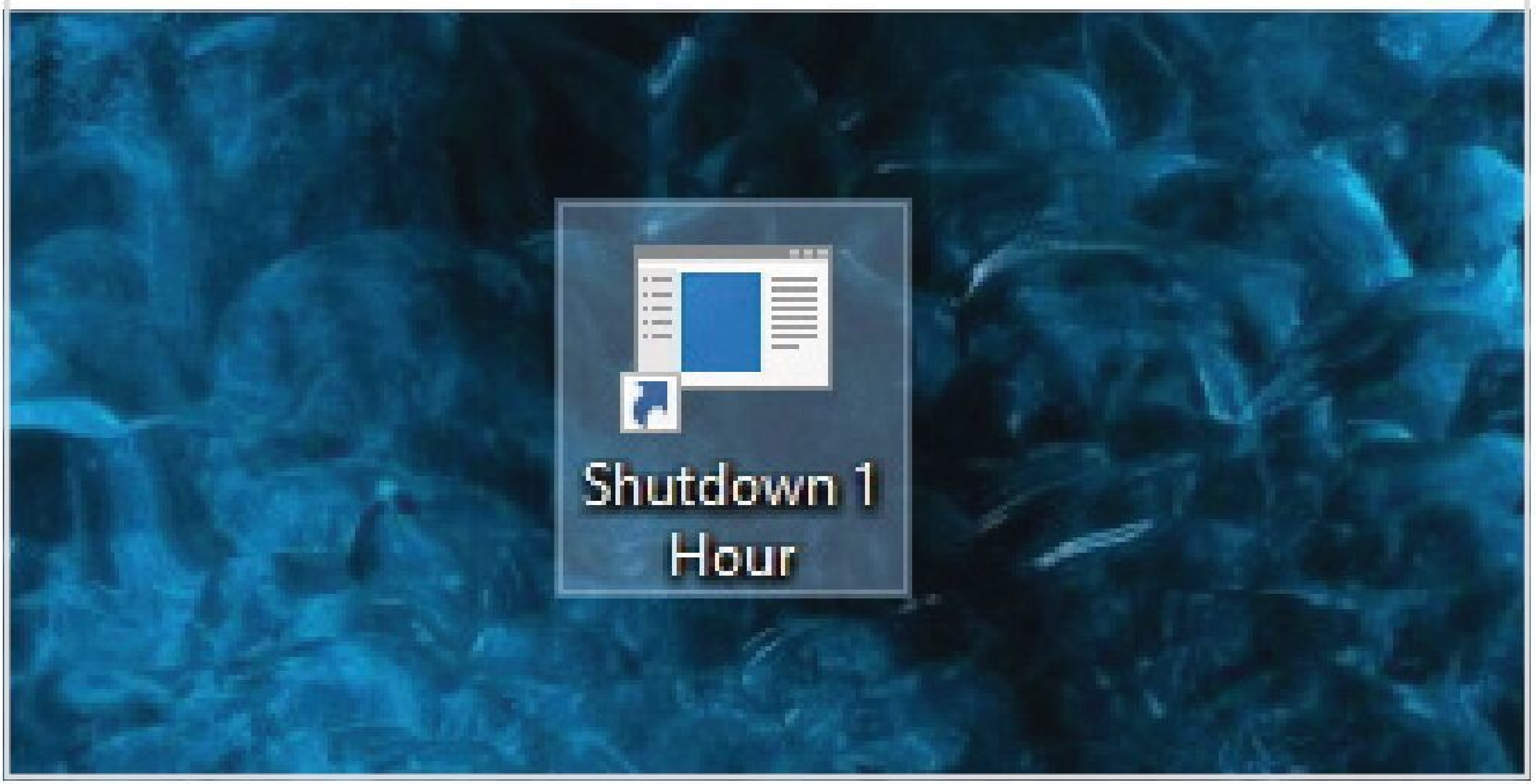
What item would you like to create a shortcut for?

This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.

Type the location of the item:

Click Next to continue.

6 Place the shortcut out of the way on your desktop. Every time you double-click the shutdown timer shortcut, the timer will start. To cancel the timer, you can create a second shortcut using `shutdown.exe -a` or enter the `shutdown -a` command in Command Prompt.



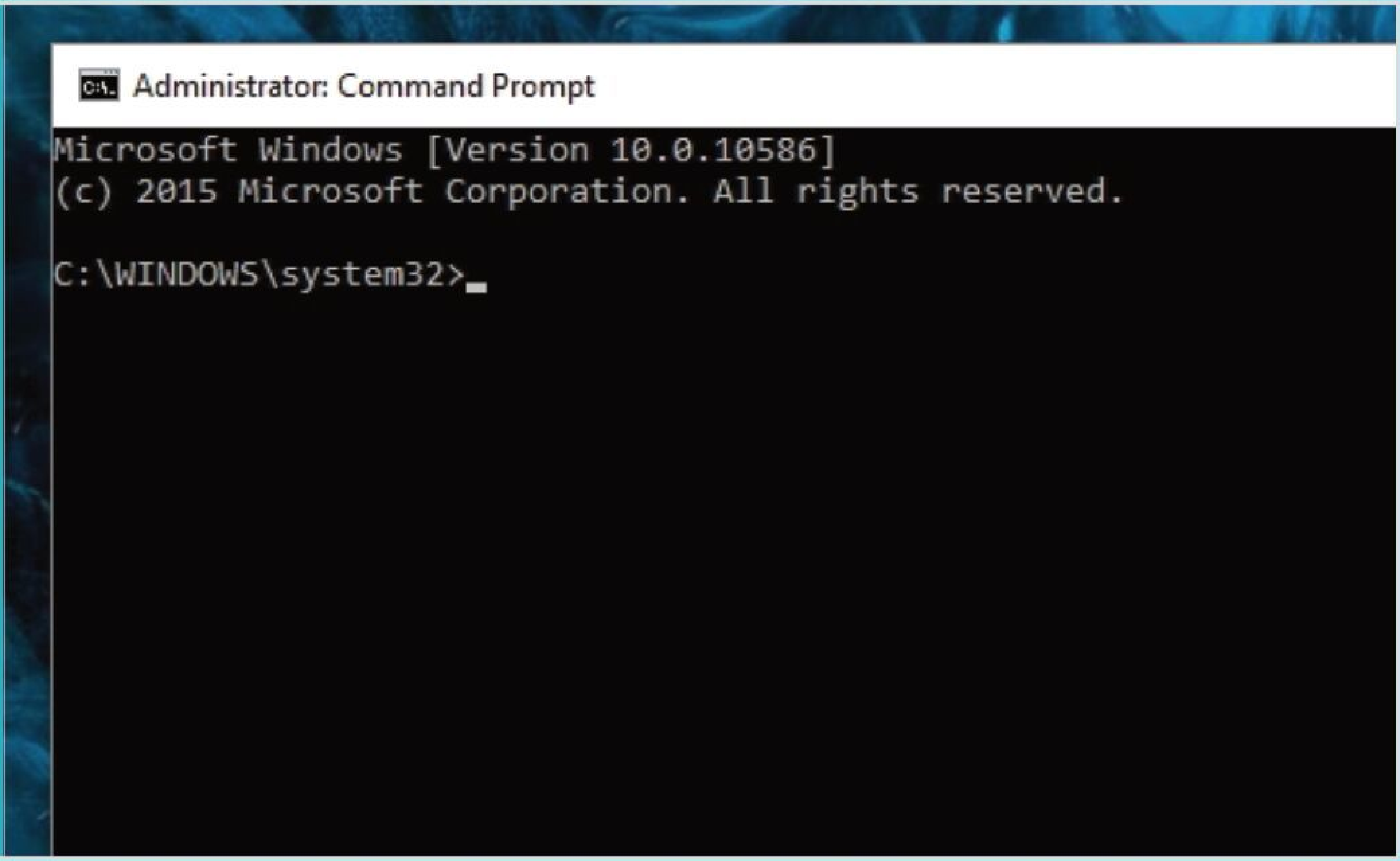
COMMAND PROMPT TRICKS

Using the Command Prompt to start a shutdown timer is just one of hundreds of ways this admin tool can be used. Let's take a look at a few other ways.

1. Command Prompt Function Keys

If you are finding yourself using the Command Prompt tool a lot, these F Key shortcuts can come in very handy.

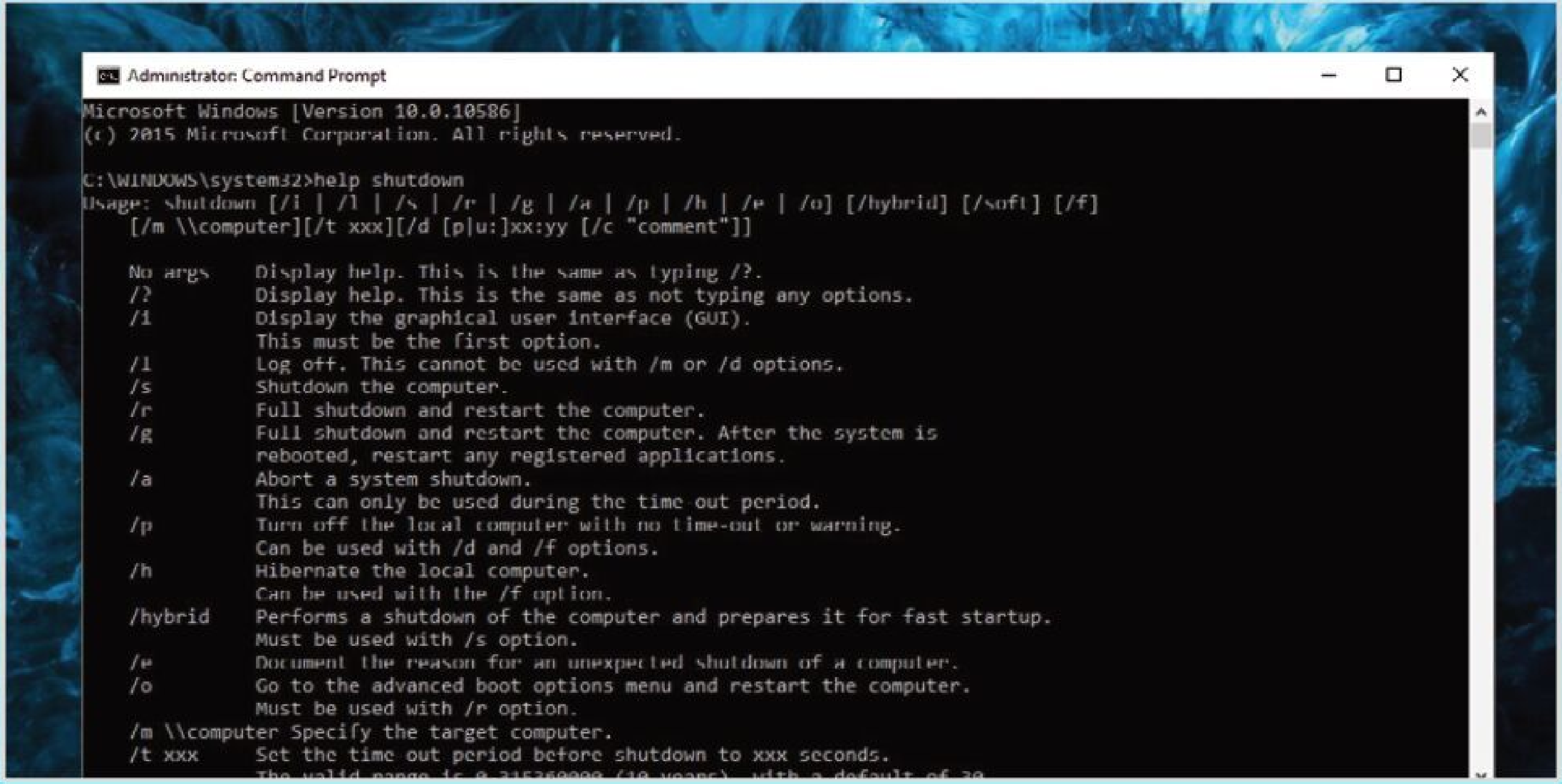
F1: Pastes the last executed command (character by character)
F2: Pastes the last executed command (up to the entered character)
F3: Pastes the last executed command
F4: Deletes current prompt text up to the entered character
F5: Pastes recently executed commands (does not cycle)
F6: Pastes ^Z to the prompt
F7: Displays a selectable list of previously executed commands
F8: Pastes recently executed commands (cycles)
F9: Asks for the number of the command from the F7 list to paste


Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>_
```

2. Command Prompt Help

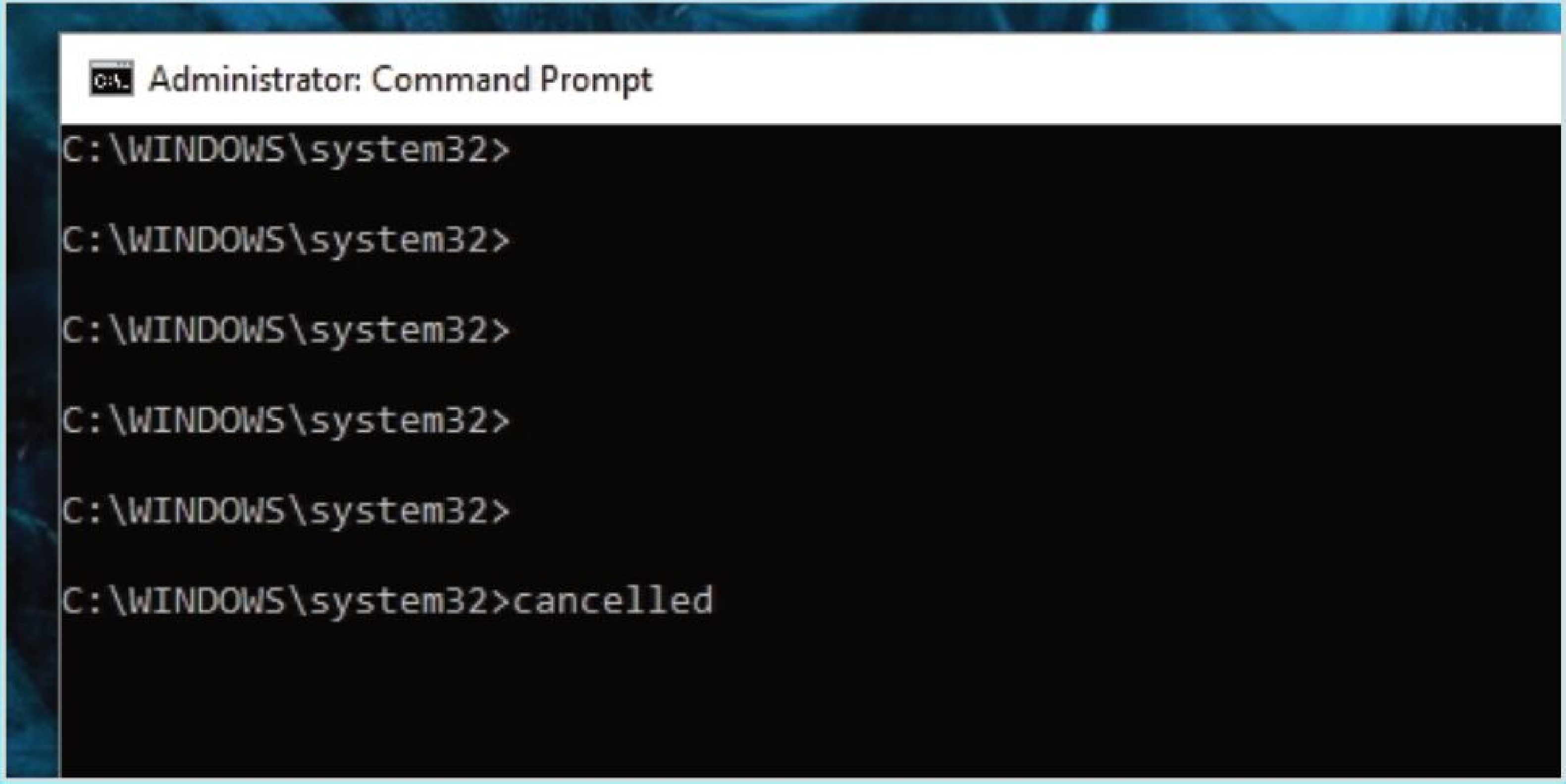
The help command (type "`help [command]`") does not provide help for every Command Prompt command. However, any command can be suffixed with the /? option, usually called the help switch, to display detailed information about the command's syntax and even some examples.


Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>help shutdown
Usage: shutdown [/i | /l | /s | /r | /g | /a | /p | /h | /e | /o] [/hybrid] [/soft] [/f]
    [/m \\computer][/t xxx][/d [p|u:]xx:yy [/c "comment"]]

    No args    Display help. This is the same as typing /?.
    /?         Display help. This is the same as not typing any options.
    /i         Display the graphical user interface (GUI).
               This must be the first option.
    /l         Log off. This cannot be used with /m or /d options.
    /s         Shutdown the computer.
    /r         Full shutdown and restart the computer.
    /g         Full shutdown and restart the computer. After the system is
               rebooted, restart any registered applications.
    /a         Abort a system shutdown.
               This can only be used during the time out period.
    /p         Turn off the local computer with no time-out or warning.
               Can be used with /d and /f options.
    /h         Hibernate the local computer.
               Can be used with the /f option.
    /hybrid    Performs a shutdown of the computer and prepares it for fast startup.
               Must be used with /s option.
    /e         Document the reason for an unexpected shutdown of a computer.
    /o         Go to the advanced boot options menu and restart the computer.
               Must be used with /r option.
    /m \\computer Specify the target computer.
    /t xxx     Set the time out period before shutdown to xxx seconds.
               The valid range is 0-315360000 (10 years), with a default of 30.
```

3. Abort a Command

Just about any command can be stopped in its tracks with the abort command: Ctrl-C. If you haven't actually executed a command, you can just erase what you've typed but if you've already executed it then you can use Ctrl-C to stop it. Remember that even Ctrl-C can't undo things that aren't undoable.


Administrator: Command Prompt

```
C:\WINDOWS\system32>

C:\WINDOWS\system32>

C:\WINDOWS\system32>

C:\WINDOWS\system32>

C:\WINDOWS\system32>

C:\WINDOWS\system32>cancelled
```

Run Ubuntu on a Windows 10 PC

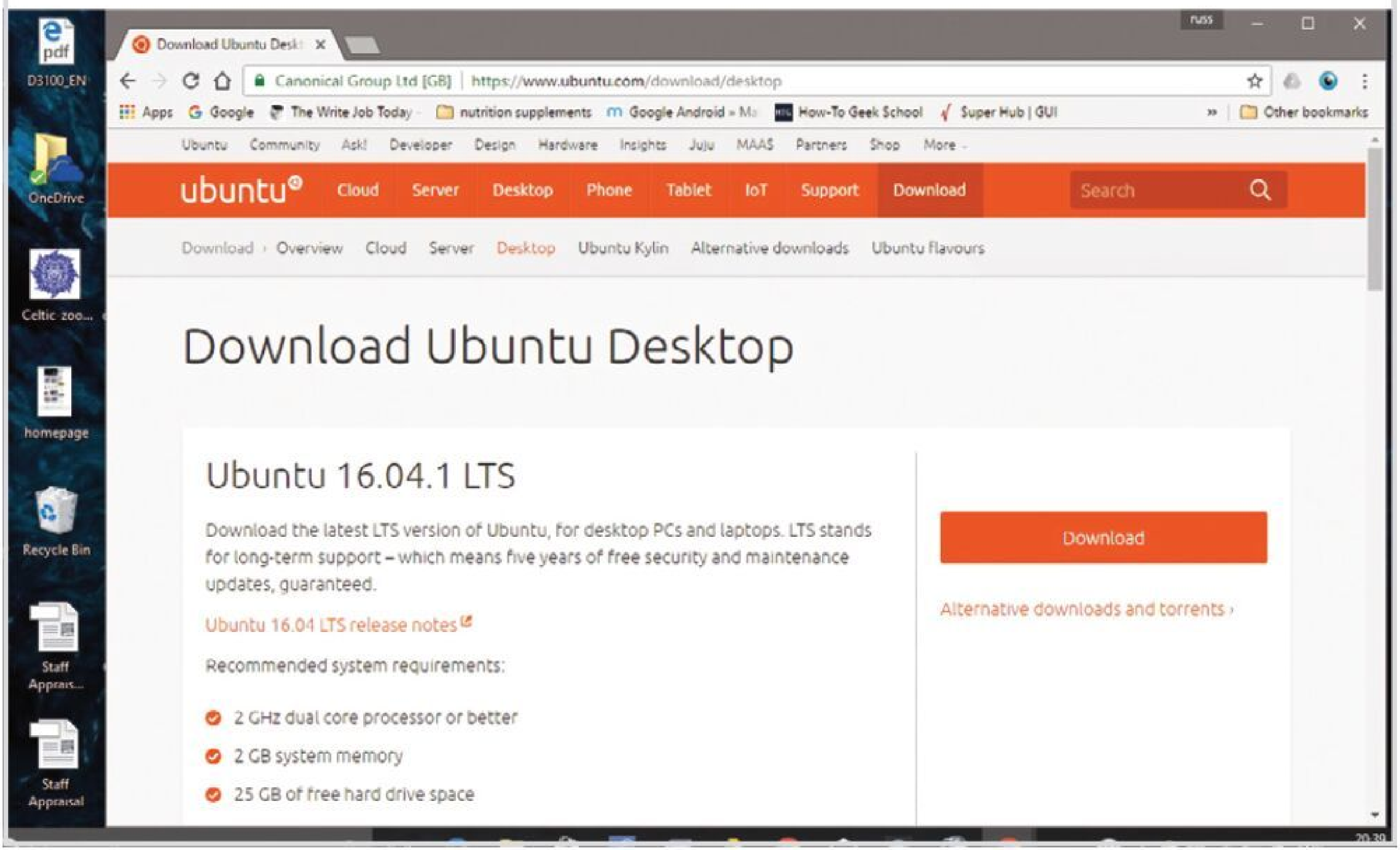
It is possible to run a full Linux distribution, like Ubuntu, on a Windows PC without installing it. This is useful for a number of reasons but initially it is a great way to try out Linux itself, or even a new distribution, before you commit to installing and using it on your computer.

Creating a Bootable USB Drive

You can try Ubuntu and other distributions from a bootable DVD but it is usually easier and more convenient to use a USB flash drive, and that is what we will create here.

1 To run Ubuntu from a USB stick, you will need one which has at least 2GB capacity and preferably more than that (4 to 8GB is recommended). You can buy a 4GB USB stick very cheaply and as it can be used again for different purposes, it is a useful thing to have if you don't already.

2 To create a bootable USB from within Windows, the next thing you need to do is download the Linux distribution you want to use. We are using Ubuntu 16.04.1 LTS (Long-Term Support), that can be downloaded from the Ubuntu download page: www.ubuntu.com/download/desktop.


D3100_EN
OneDrive
Celtic zoo...
homepage
Recycle Bin
Staff Apprais...
Staff Appraisal
Download Ubuntu Deskt
Canonical Group Ltd [GB] | https://www.ubuntu.com/download/desktop
Apps
Google
The Write Job Today
nutrition supplements
Google Android » Ma
How-To Geek School
Super Hub | GUI
Other bookmarks
Ubuntu
Community
Ask!
Developer
Design
Hardware
Insights
Juju
MAAS
Partners
Shop
More
ubuntu®
Cloud
Server
Desktop
Phone
Tablet
IoT
Support
Download
Search
Download › Overview
Cloud
Server
Desktop
Ubuntu Kylin
Alternative downloads
Ubuntu flavours
Download
Alternative downloads and torrents ›
Ubuntu 16.04 LTS release notes

Download Ubuntu Desktop

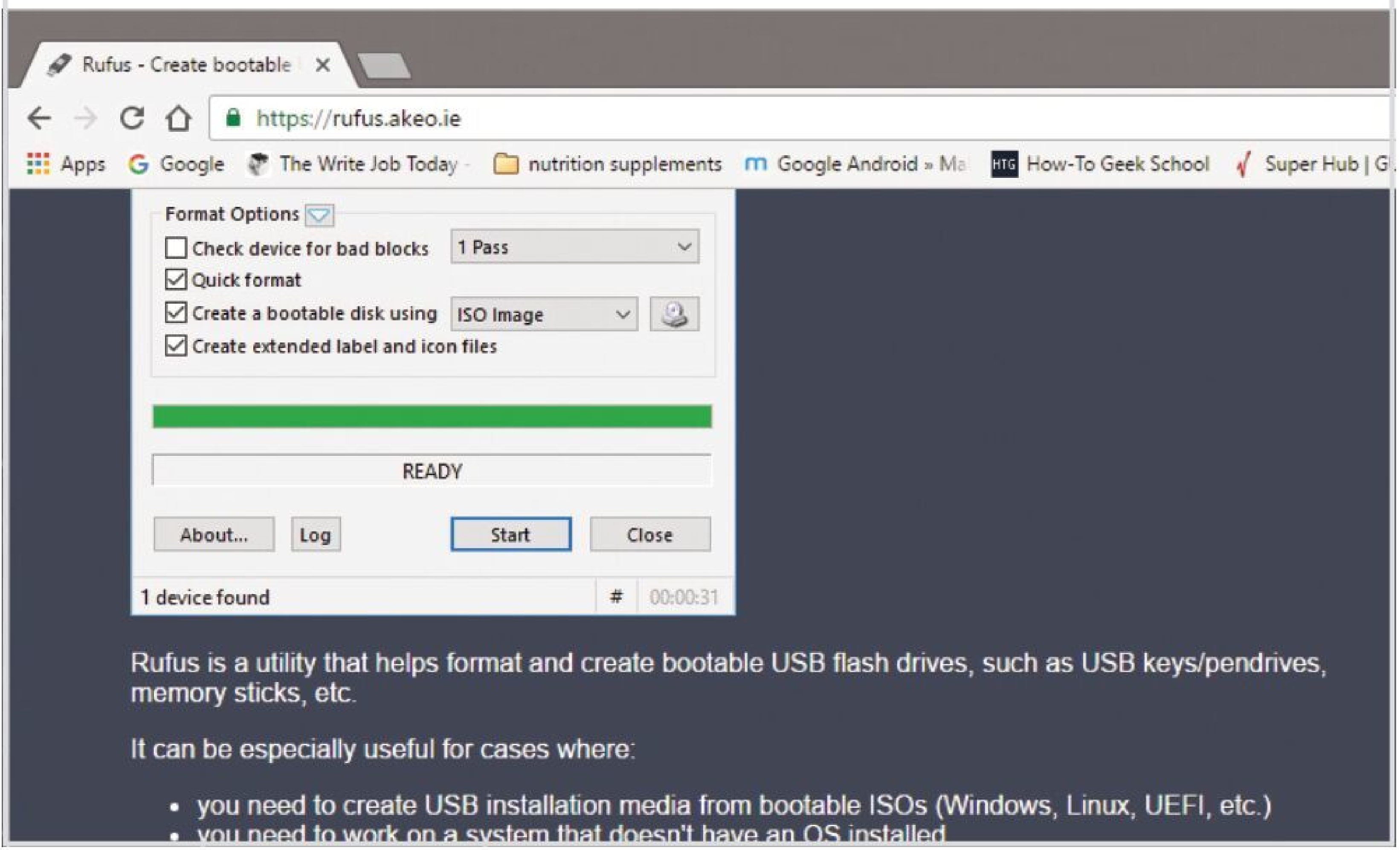
Ubuntu 16.04.1 LTS

Download the latest LTS version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support – which means five years of free security and maintenance updates, guaranteed.

Recommended system requirements:

- 2 GHz dual core processor or better
- 2 GB system memory
- 25 GB of free hard drive space

3 You now need to get Ubuntu onto the USB stick. This can't be done by simply dragging and dropping the file onto the drive, as if you were copying a photo over. You'll need to make the stick a Bootable Drive. One of the best tools for doing this is called Rufus 2.11: https://rufus.akeo.ie/.


Rufus - Create bootable
https://rufus.akeo.ie
Apps
Google
The Write Job Today
nutrition supplements
Google Android » Ma
How-To Geek School
Super Hub | G
About...
Log
Start
Close
#

Format Options
☐ Check device for bad blocks: 1 Pass
☑ Quick format
☑ Create a bootable disk using: ISO Image
☑ Create extended label and icon files

READY

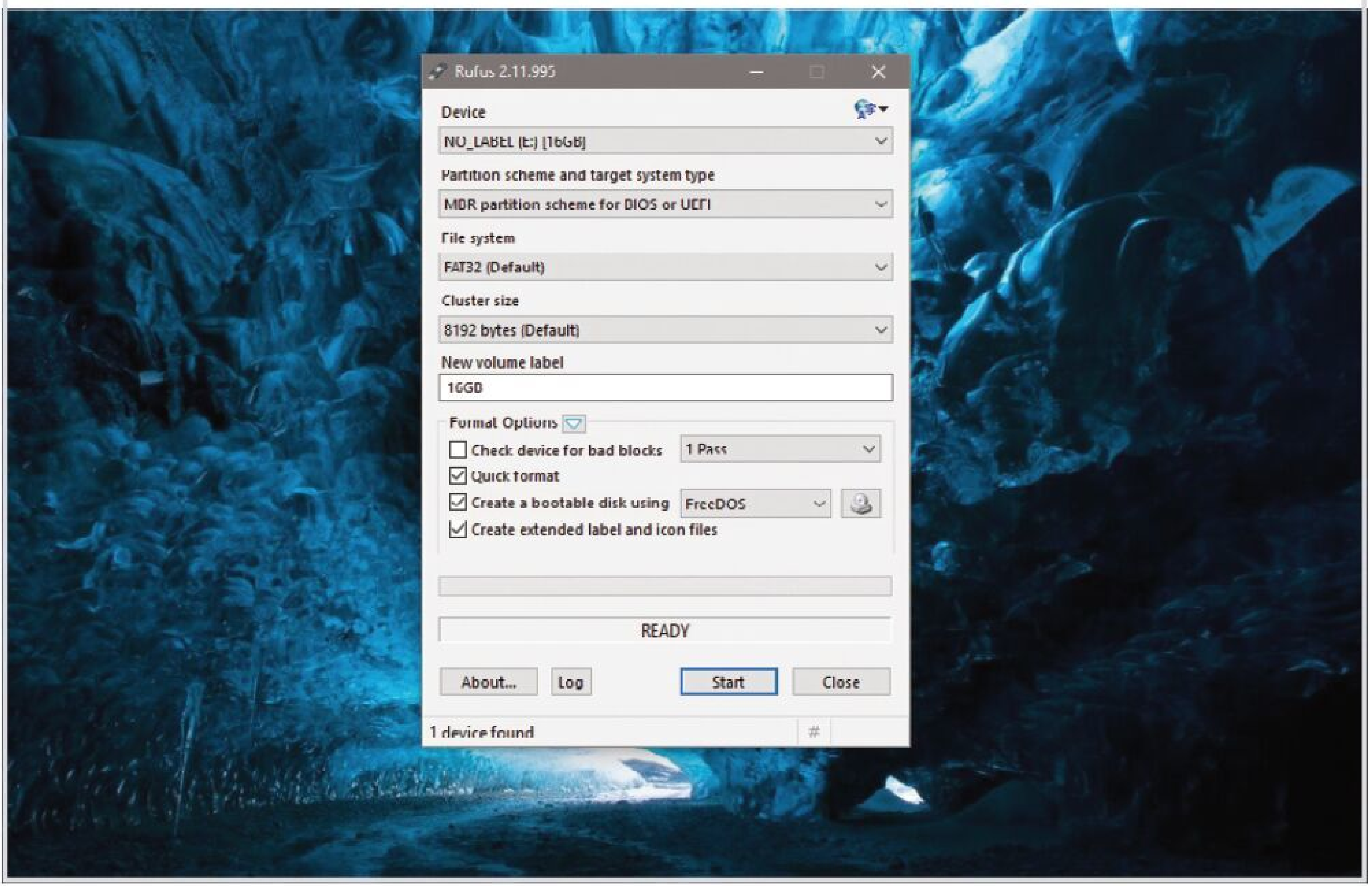
1 device found 00:00:31

Rufus is a utility that helps format and create bootable USB flash drives, such as USB keys/pendrives, memory sticks, etc.

It can be especially useful for cases where:

- you need to create USB installation media from bootable ISOs (Windows, Linux, UEFI, etc.)
- you need to work on a system that doesn't have an OS installed

4 Once downloaded and installed on your PC, click the icon to open Rufus and select your USB stick in the Device dropdown. Click the CD Rom icon next to the FreeDOS dropdown, then find your downloaded Ubuntu ISO and click Open and then Start.


Rufus 2.11.995
About...
Log
Start
Close
#

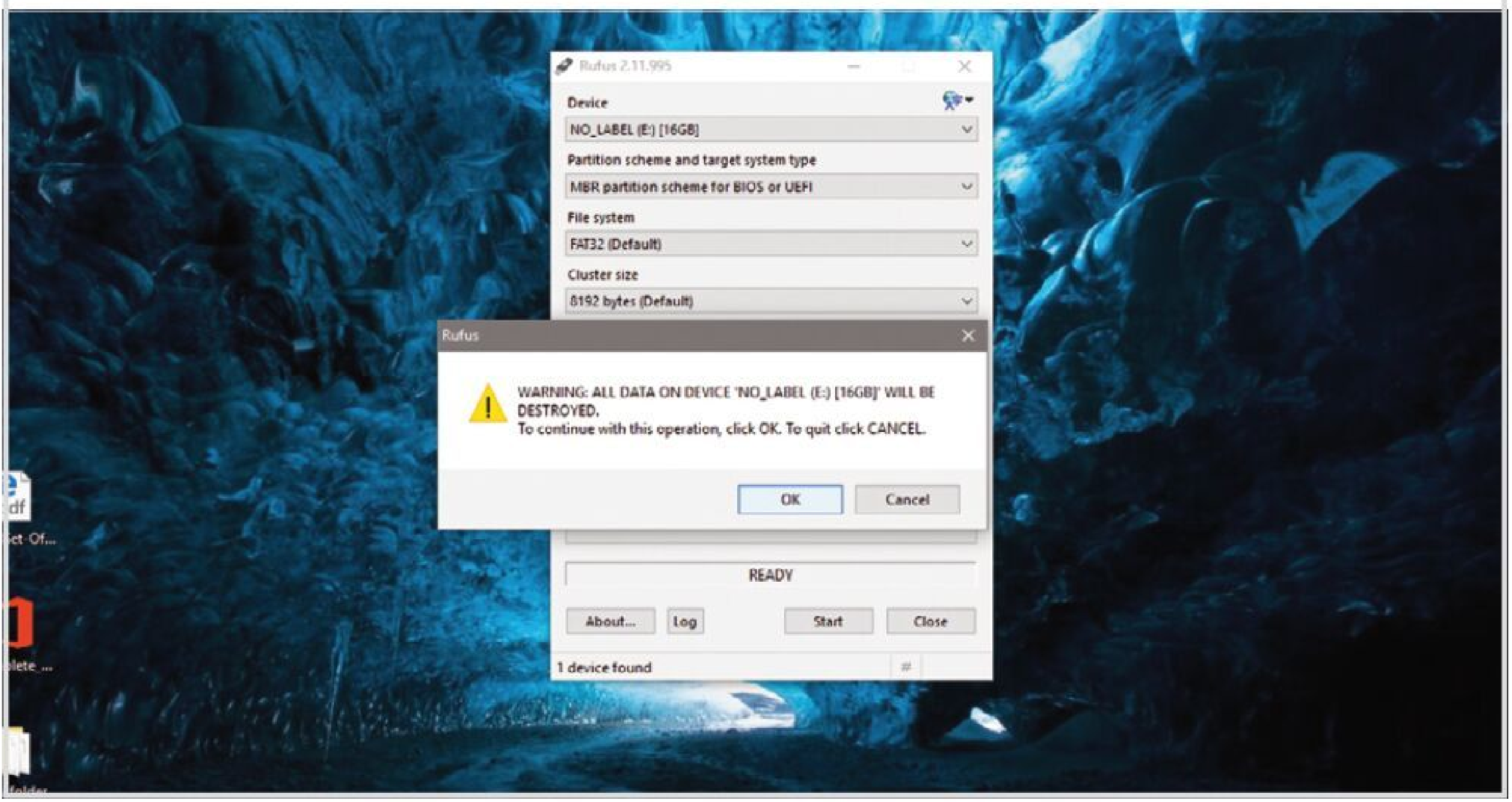
Device: NO_LABEL (E:) [16GB]
Partition scheme and target system type: MBR partition scheme for BIOS or UEFI
File system: FAT32 (Default)
Cluster size: 8192 bytes (Default)
New volume label: 16GB

Format Options
☐ Check device for bad blocks: 1 Pass
☑ Quick format
☑ Create a bootable disk using: FreeDOS
☑ Create extended label and icon files

READY

1 device found

5 Click 'Yes' when you're asked to download Syslinux software and then 'OK' to write in ISO Image mode. Confirm that your USB stick is selected and then 'OK' to continue. The process may take a few minutes, so be patient and wait for the message to tell you it is completed.


Rufus 2.11.995
About...
Log
Start
Close
OK
Cancel

Device: NO_LABEL (E:) [16GB]

Partition scheme and target system type: MBR partition scheme for BIOS or UEFI

File system: FAT32 (Default)

Cluster size: 8192 bytes (Default)

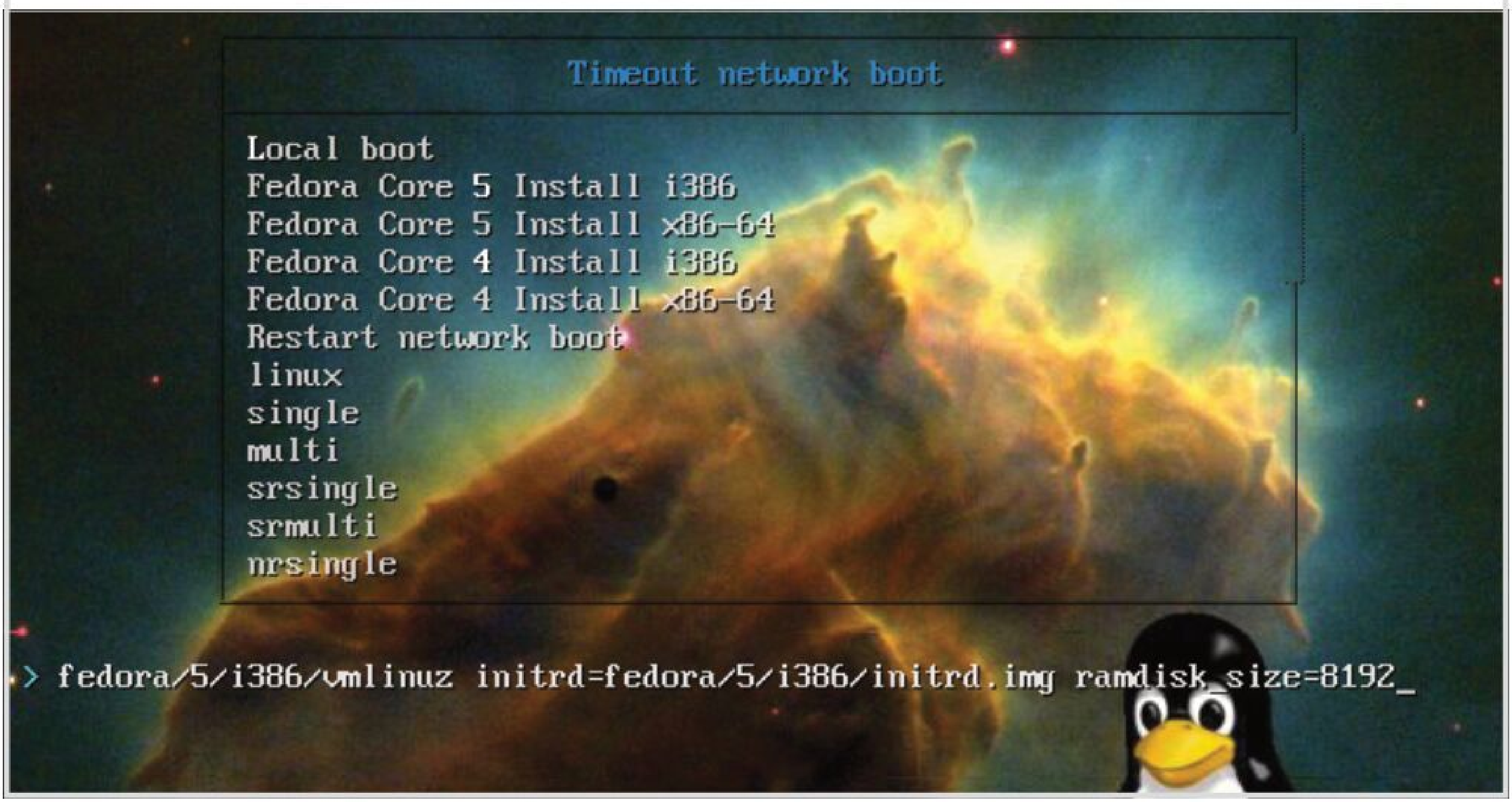
Rufus

WARNING: ALL DATA ON DEVICE 'NO_LABEL (E:) [16GB]' WILL BE DESTROYED.
To continue with this operation, click OK. To quit click CANCEL.

READY

1 device found

6 If you are wondering, Syslinux is a boot loader for the Linux operating system that runs on an MS-DOS/Windows FAT filesystem. It is intended to simplify first-time installation of Linux and for creation of rescue and other special purpose boot disks.



```
Timeout network boot

Local boot
Fedora Core 5 Install i386
Fedora Core 5 Install x86-64
Fedora Core 4 Install i386
Fedora Core 4 Install x86-64
Restart network boot
linux
single
multi
srsingle
srmulti
nrsingle

> fedora/5/i386/vmlinuz initrd=fedora/5/i386/initrd.img ramdisk_size=8192_
```

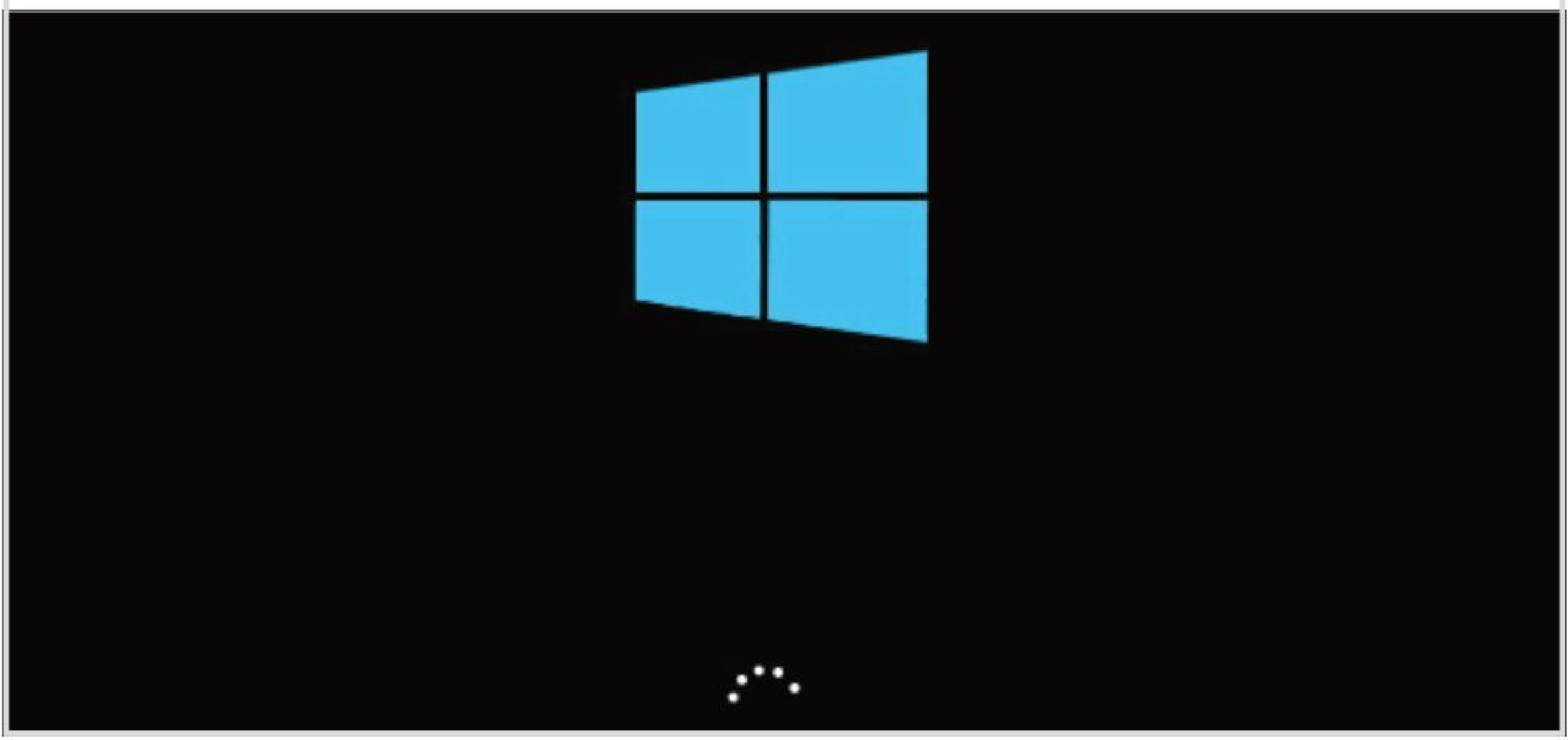
Booting from a USB Drive

Now you have the Linux ISO file (in our case, Ubuntu) copied onto your bootable flash drive, you are ready to boot into the OS. Here is the exact process you will need to follow to change the boot order.

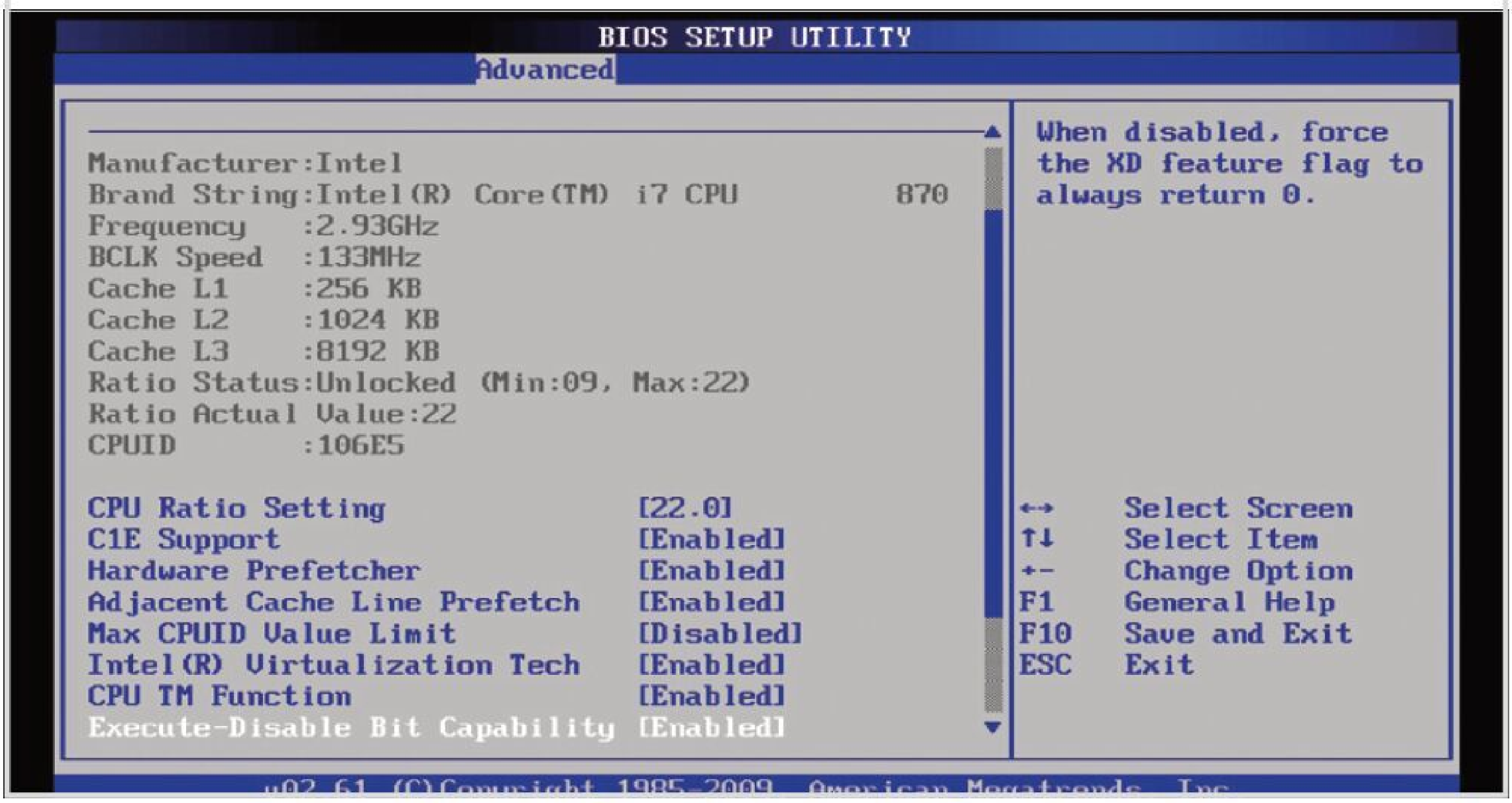
1 Turn off your Windows computer and insert the USB drive with the Ubuntu ISO file on it. You now need to tell your computer to boot from that USB stick and not from the hard drive, and therefore Windows, as it normally would. Some newer computers can start-up automatically from USB.

Most used
Google Chrome
Candy Crush Jelly Saga
SkipSoft Toolkit
Get Started
PicPick
OpenOffice
3D Builder
Adobe Photoshop Express
Alarms & Clock
Sleep
Hibernate
Shut down
Restart
Life at a glance
Play and explore
Mail
Microsoft Edge
Photos
Cortana
Store
Money
News
Xbox
OneNote
Ask me anything

2 If your computer does not automatically do this, you will need to change the device from which the computer starts up to the USB. You can usually do this by watching for an 'Enter Setup' message appearing before Windows starts and pressing the key shown (this varies between devices).

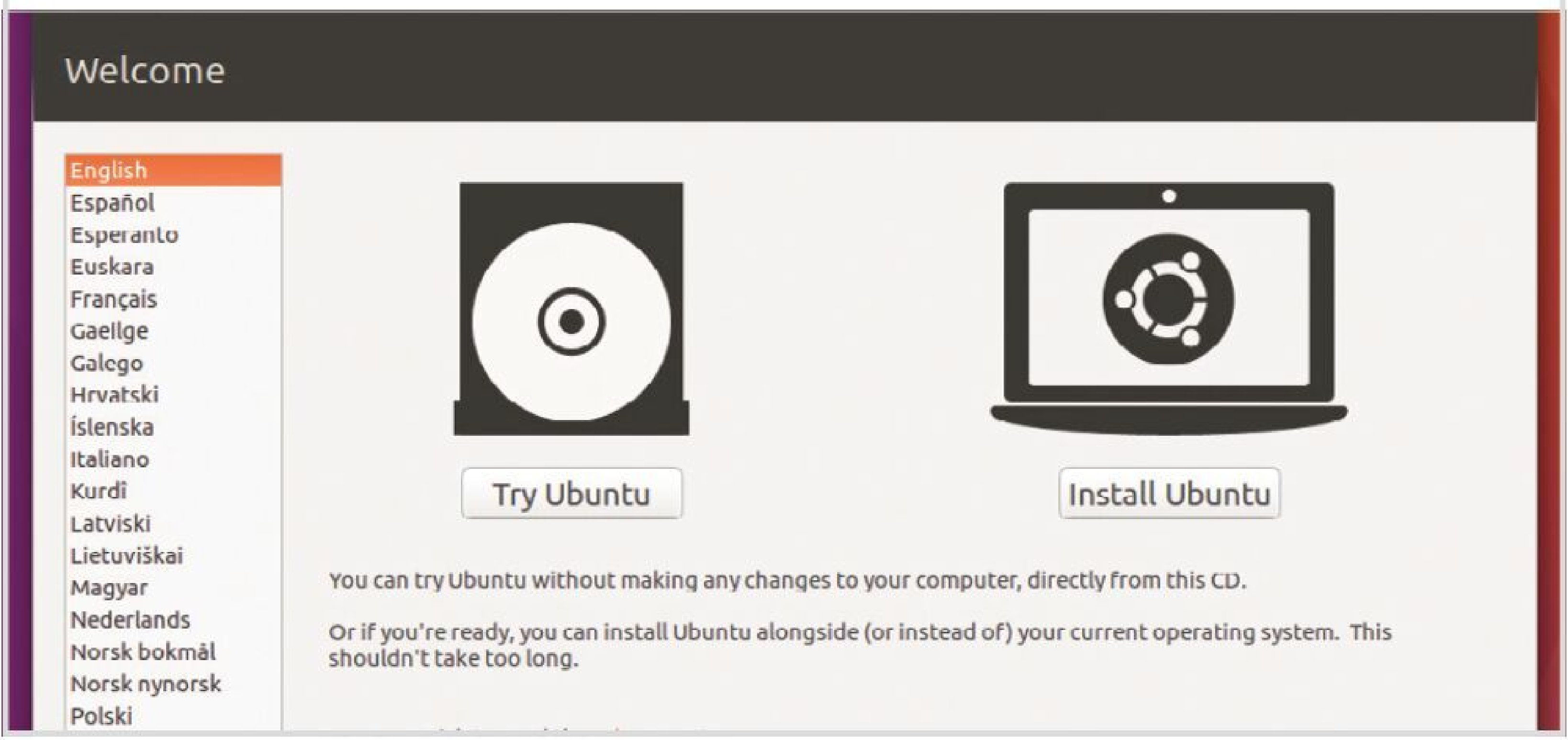


3 Once into the Set up/BIOS screen, look for the option to change the 'Boot Device'. This may be on the main screen, or within the System tab/section. Depending on your computer and how your USB key was formatted, you should see an entry for 'removable drive' or 'USB media'.



```
                          BIOS SETUP UTILITY
                      Advanced

Manufacturer:Intel                                    When disabled, force
Brand String:Intel(R) Core(TM) i7 CPU        870      the XD feature flag to
Frequency    :2.93GHz                                 always return 0.
BCLK Speed   :133MHz
Cache L1     :256 KB
Cache L2     :1024 KB
Cache L3     :8192 KB
Ratio Status:Unlocked (Min:09, Max:22)
Ratio Actual Value:22
CPUID        :106E5

CPU Ratio Setting                [22.0]               ↔     Select Screen
C1E Support                      [Enabled]            ↑↓    Select Item
Hardware Prefetcher              [Enabled]            +-    Change Option
Adjacent Cache Line Prefetch     [Enabled]            F1    General Help
Max CPUID Value Limit            [Disabled]           F10   Save and Exit
Intel(R) Virtualization Tech     [Enabled]            ESC   Exit
CPU TM Function                  [Enabled]
Execute-Disable Bit Capability   [Enabled]
```

4 Move this to the top of the list to force the computer to start from USB rather than the hard disk; save your changes and continue. Choose your preferred language and click on Try Ubuntu. Your live desktop should appear. If you then want to, double-click on 'Install Ubuntu 16.04 LTS'.


Welcome
English
Español
Esperanto
Euskara
Français
Gaeilge
Galego
Hrvatski
Íslenska
Italiano
Kurdî
Latviski
Lietuviškai
Magyar
Nederlands
Norsk bokmål
Norsk nynorsk
Polski
Try Ubuntu
Install Ubuntu

You can try Ubuntu without making any changes to your computer, directly from this CD.

Or if you're ready, you can install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.

Defragment Your Hard Drive

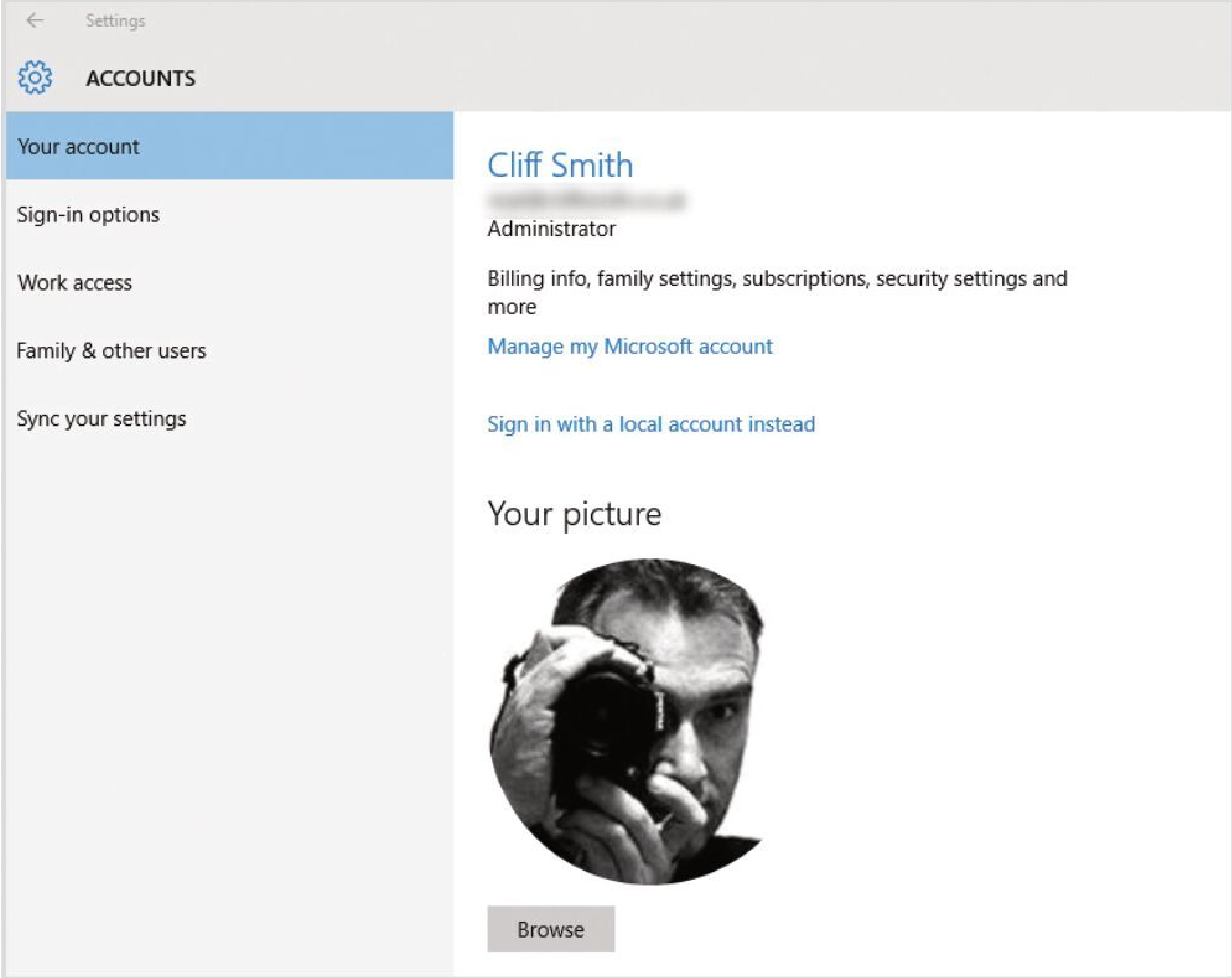
Over time the data stored on your hard drive may get fragmented and become slower for your system to access. Windows has always included tools to clean up these fragments and Windows 10 is no different. Using the built-in Windows utility to tidy up can greatly improve performance.

HARD DRIVE HEALTH

While hard disk drives provide cheap, fast and reliable bulk storage for digital data, they do suffer from one major problem. Using protocols that date back to the days when computer data was stored on big reels of magnetic tape, data is written onto the hard drive sequentially, so that it's faster to read off again. This is fine at first since the data is stored in neat blocks or sectors that it's easy for the system to find. A brand new hard drive will use its storage space efficiently for optimum performance, saving files in a neat orderly sequence. However over time you'll inevitably delete some files, or replace others with larger ones, and the hard drive tries to cope with these changes by splitting data files up to fit into available empty space on the drive. This can mean that your files are broken up into pieces scattered all over the drive, which can radically slow down access times both when saving data and when you come to read the data from the drive. The system doesn't lose the data but a hard drive is a mechanical device with moving parts, and the physical process of moving the read-write head to and fro over the drive platter from one sector to another takes a finite amount of time, and the more the head has to move the slower the access time will be. After a few years of heavy use a hard disk drive can become so fragmented that it slows to a near crawl as the system struggles to access the scattered chunks of data. This is one of the reasons why solid state drives (SSDs) are becoming more popular. Since they don't have any moving parts their data retrieval speeds should remain consistently high regardless of how much data is stored or how often it is changed. See the previous sections of this publication if you'd like to upgrade your system to use an SSD.

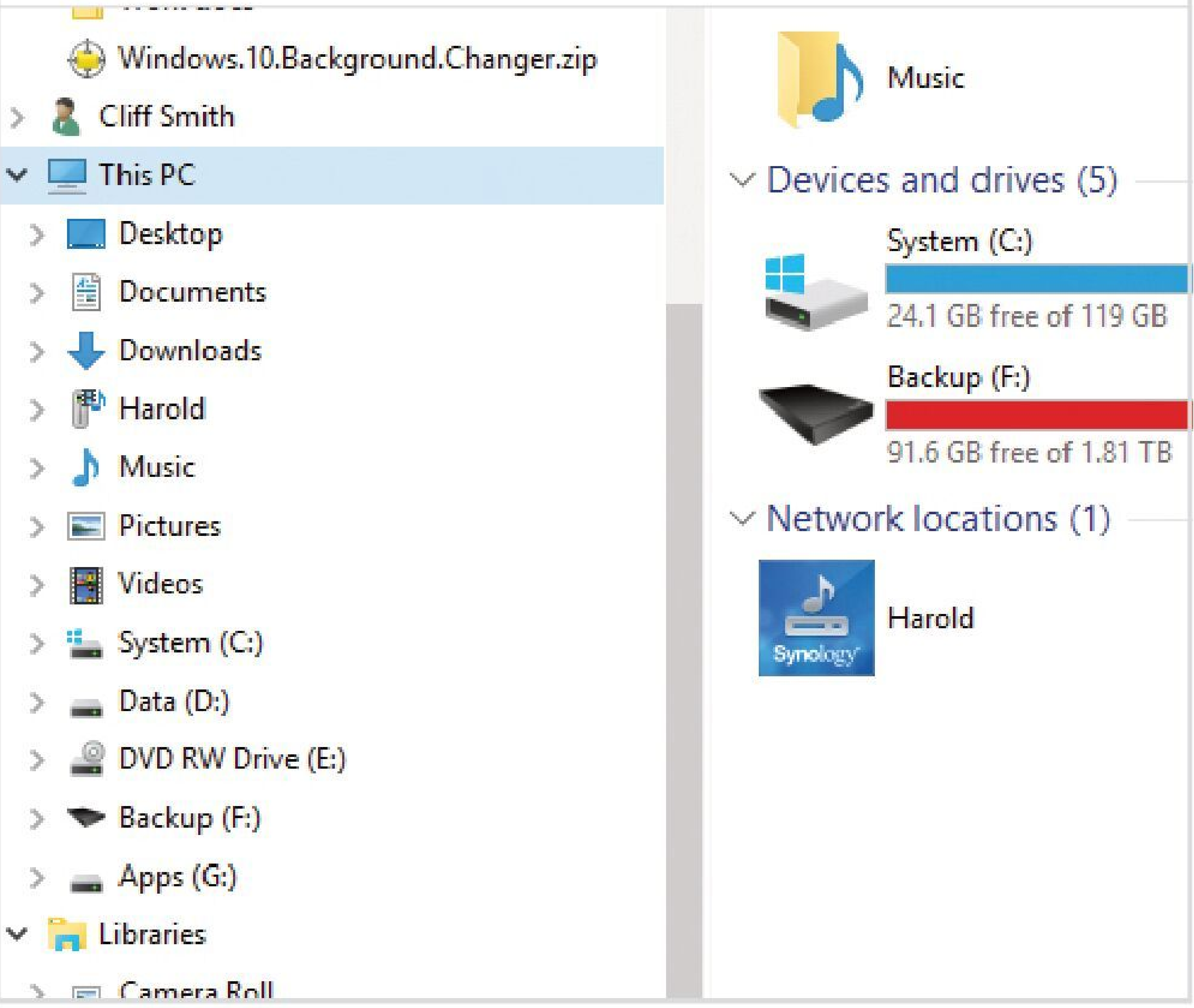
Fortunately Windows includes an option to "defragment" your drive. This is an automatic process that reorganises the data on your HDD back into easily accessible contiguous sectors, making the most of the available space and greatly speeding up access times. In earlier versions of Windows this was a manually selected process that you had to remember to perform on a regular basis, but Windows 10 includes an option to automatically perform an optimisation and defragmentation procedure on all attached drives on a regular basis. If your system uses a hard disk, as most do, it's worth performing at least the first five steps of this guide, just to see if your system would benefit from defragmentation. If you're using an SSD it won't need to be defragmented, since SSDs store data in a different way to HDDs but it can still benefit from optimisation.

1 Log on to your PC as Administrator. You'll need to be using an Administrator account in order to perform the disk defragmentation process.


Settings
ACCOUNTS
Your account
Sign-in options
Work access
Family & other users
Sync your settings
Manage my Microsoft account
Sign in with a local account instead
Your picture
Browse

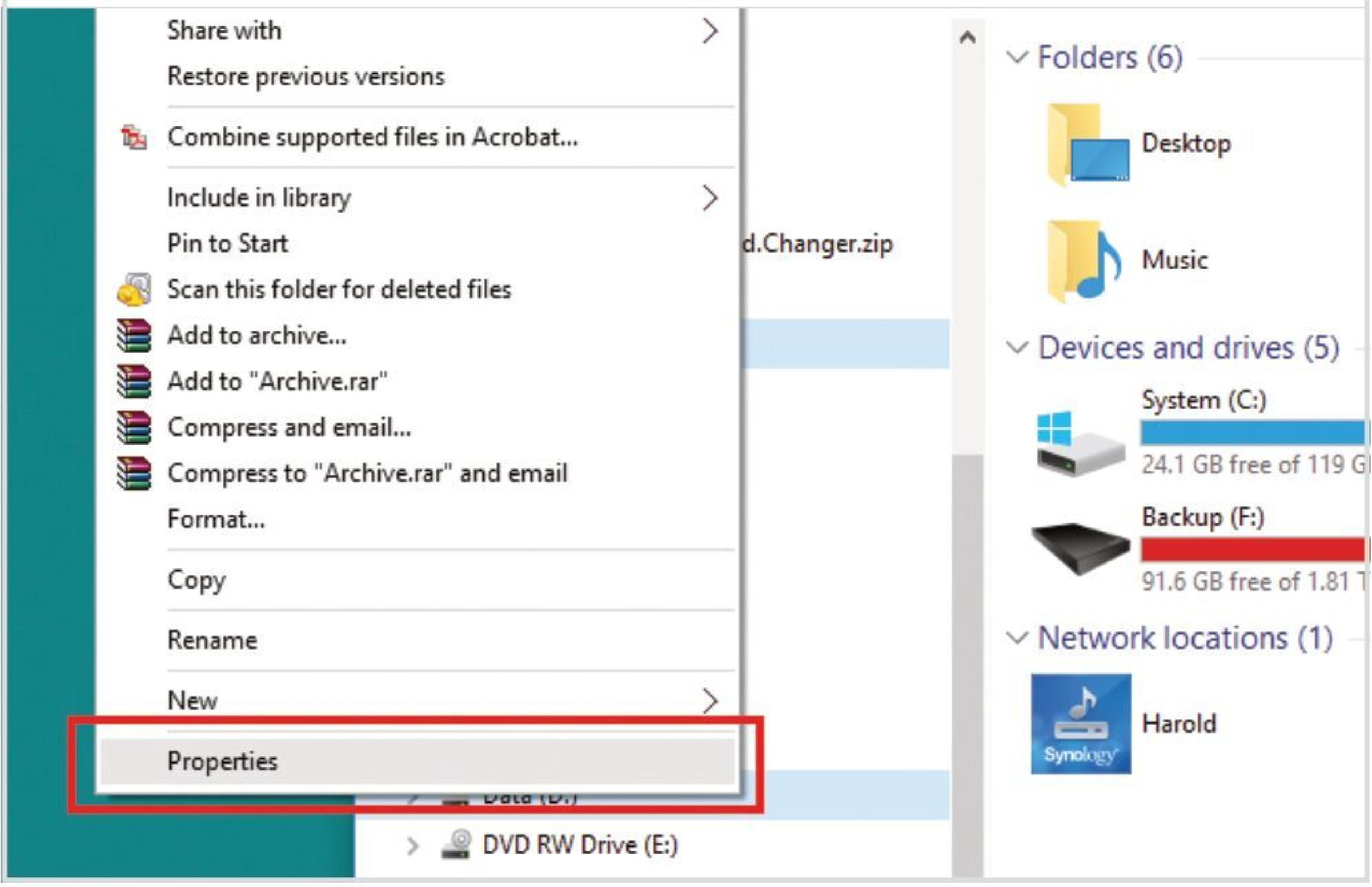
Cliff Smith
Administrator
Billing info, family settings, subscriptions, security settings and more

2 Click on the Start button and open File Explorer. Expand the This PC file tree so that you can see the list of drives on your system.

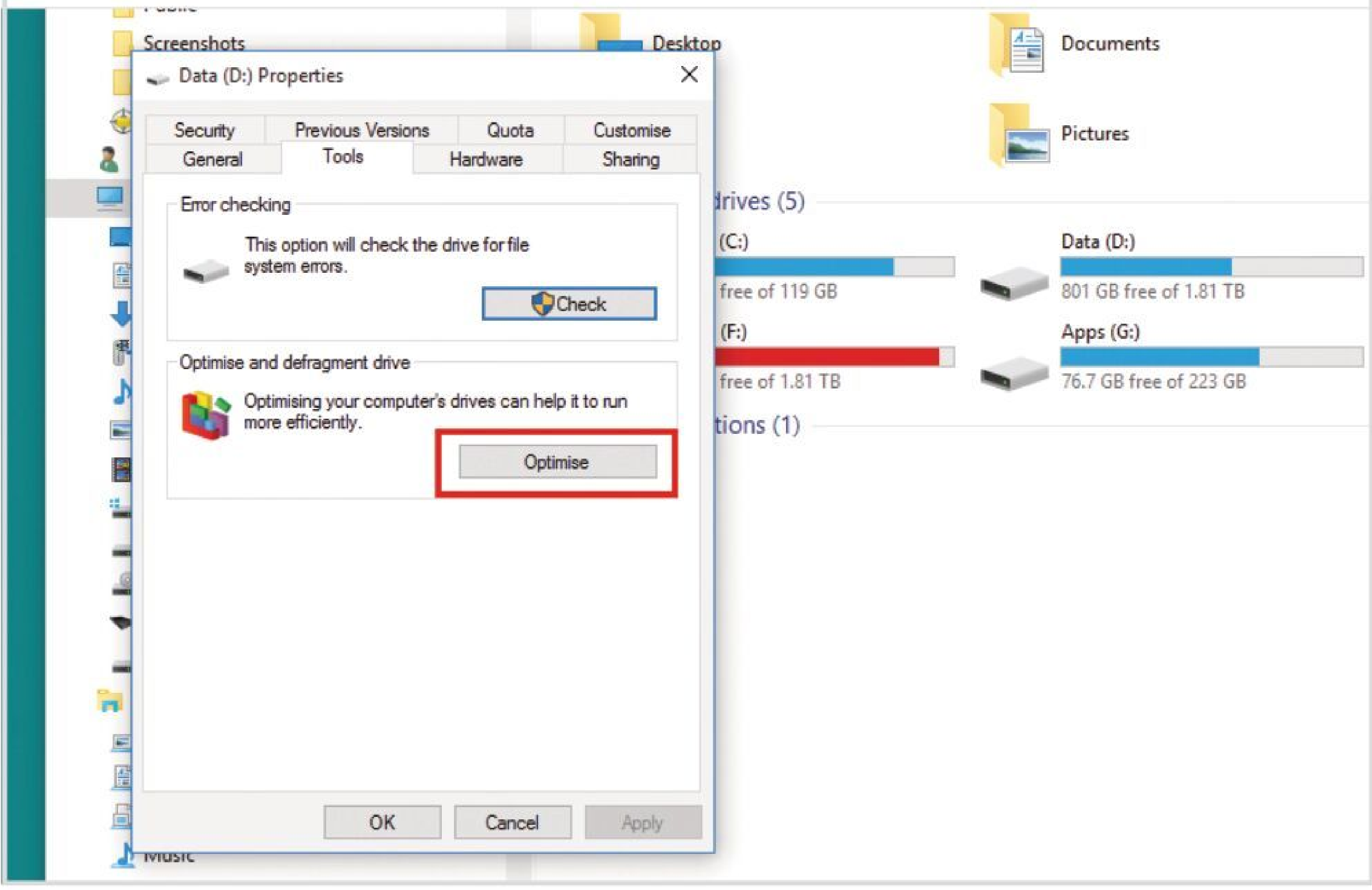

Windows.10.Background.Changer.zip
Cliff Smith
This PC
Desktop
Documents
Downloads
Harold
Music
Pictures
Videos
System (C:)
Data (D:)
DVD RW Drive (E:)
Backup (F:)
Apps (G:)
Libraries
Camera Roll
Music
Devices and drives (5)
Network locations (1)
Harold
Synology

System (C:)
24.1 GB free of 119 GB
Backup (F:)
91.6 GB free of 1.81 TB

3 Right-click on any drive in the list and select Properties. You'll see in a moment that it doesn't matter which drive you select at this stage.


Share with
Restore previous versions
Combine supported files in Acrobat...
Include in library
Pin to Start
Scan this folder for deleted files
Add to archive...
Add to "Archive.rar"
Compress and email...
Compress to "Archive.rar" and email
Format...
Copy
Rename
New
Properties
d.Changer.zip
Data (D:)
DVD RW Drive (E:)
Folders (6)
Desktop
Music
Devices and drives (5)
System (C:)
24.1 GB free of 119 G
Backup (F:)
91.6 GB free of 1.81 T
Network locations (1)
Harold
Synology

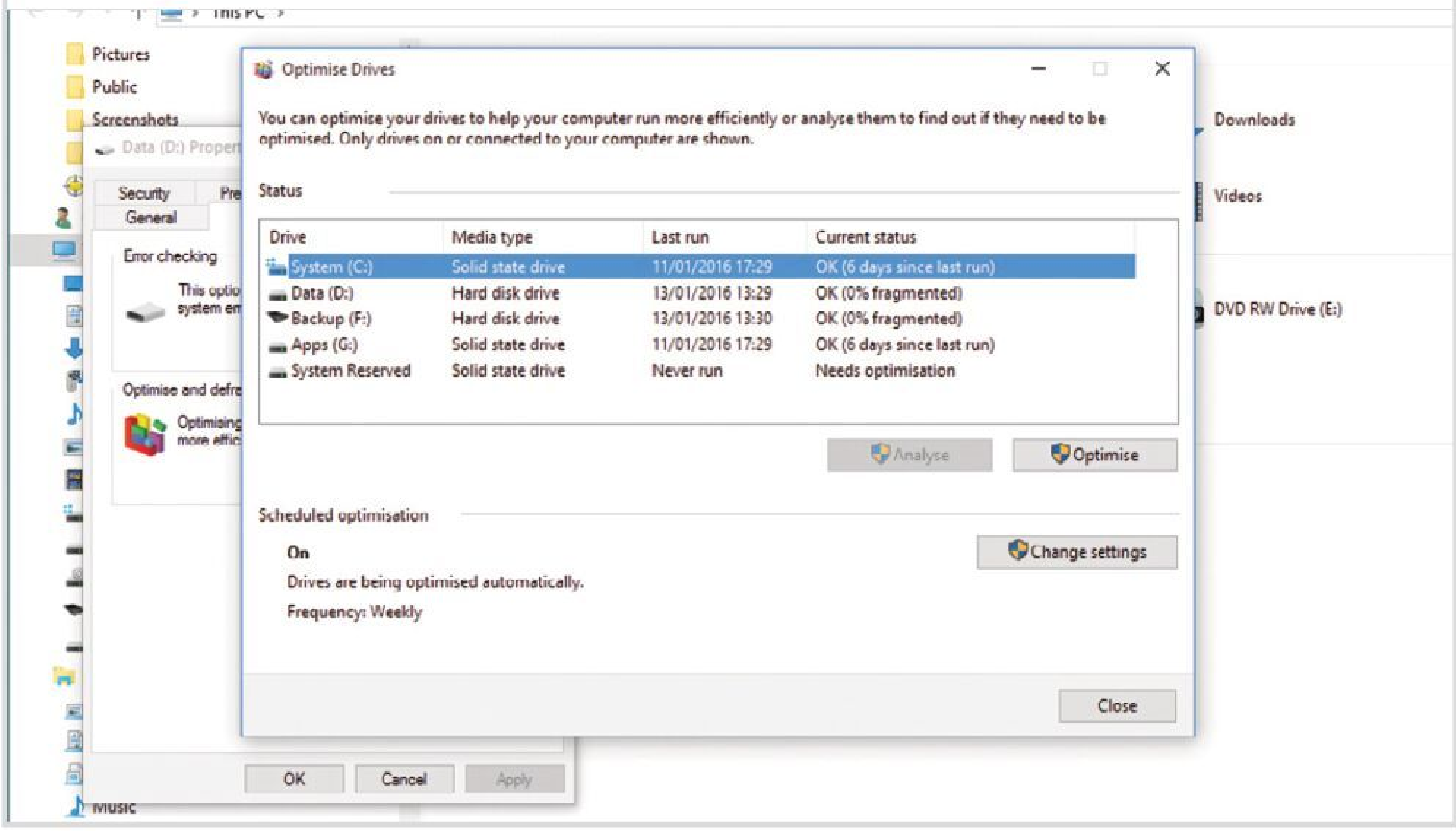
4 In the Properties window, click on the Tools tab. You'll see that there are two options available. Click on the button for the second one, "Optimise".


Screenshots
Data (D:) Properties
Security
Previous Versions
Quota
Customise
General
Tools
Hardware
Sharing
Error checking
Check
Optimise and defragment drive
Optimise
OK
Cancel
Apply
Desktop
Documents
Pictures
drives (5)
(C:)
free of 119 GB
(F:)
free of 1.81 TB
Data (D:)
801 GB free of 1.81 TB
Apps (G:)
76.7 GB free of 223 GB
tions (1)
Music

This option will check the drive for file system errors.

Optimising your computer's drives can help it to run more efficiently.

5 This will open the Optimise Drives window. Here you'll see another list of all the drives attached to your system, when the optimisation routine was last performed on each one, and how fragmented it currently is. If your system is operating at peak efficiency they should all be at 0%.


Optimise Drives
Analyse
Optimise
Change settings
Close
OK
Cancel
Apply
This PC
Pictures
Public
Screenshots
Downloads
Videos
DVD RW Drive (E:)
Music

You can optimise your drives to help your computer run more efficiently or analyse them to find out if they need to be optimised. Only drives on or connected to your computer are shown.

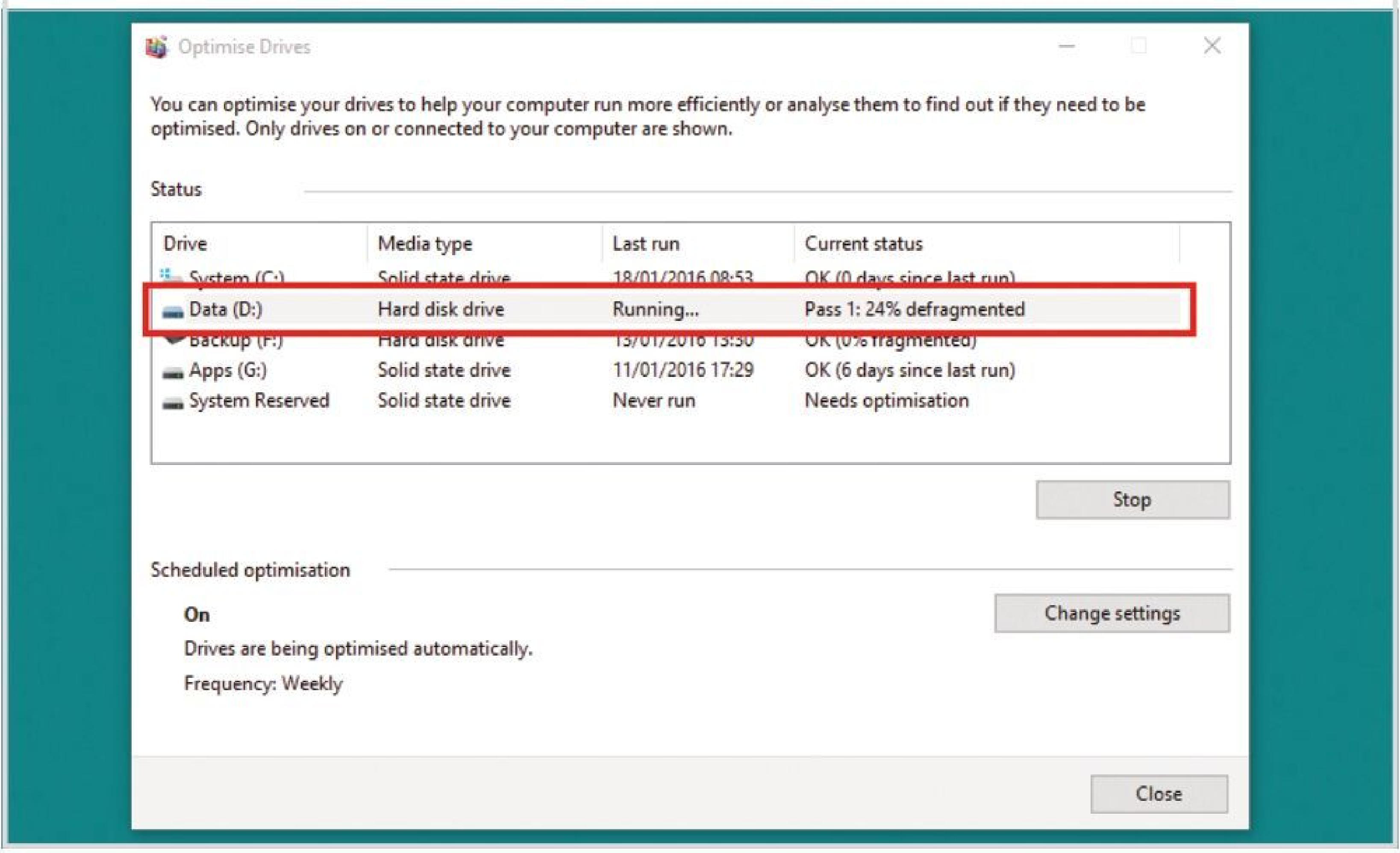
Status

Drive	Media type	Last run	Current status
System (C:)	Solid state drive	11/01/2016 17:29	OK (6 days since last run)
Data (D:)	Hard disk drive	13/01/2016 13:29	OK (0% fragmented)
Backup (F:)	Hard disk drive	13/01/2016 13:30	OK (0% fragmented)
Apps (G:)	Solid state drive	11/01/2016 17:29	OK (6 days since last run)
System Reserved	Solid state drive	Never run	Needs optimisation

Scheduled optimisation

On
Drives are being optimised automatically.
Frequency: Weekly

6 If any of your hard disk drives are fragmented, click on it and then click on the Optimise button. If it's a large drive and very fragmented the process could take a long time, so only do it if you're not going to be using your PC for a couple of hours.


Optimise Drives
Stop
Change settings
Close

You can optimise your drives to help your computer run more efficiently or analyse them to find out if they need to be optimised. Only drives on or connected to your computer are shown.

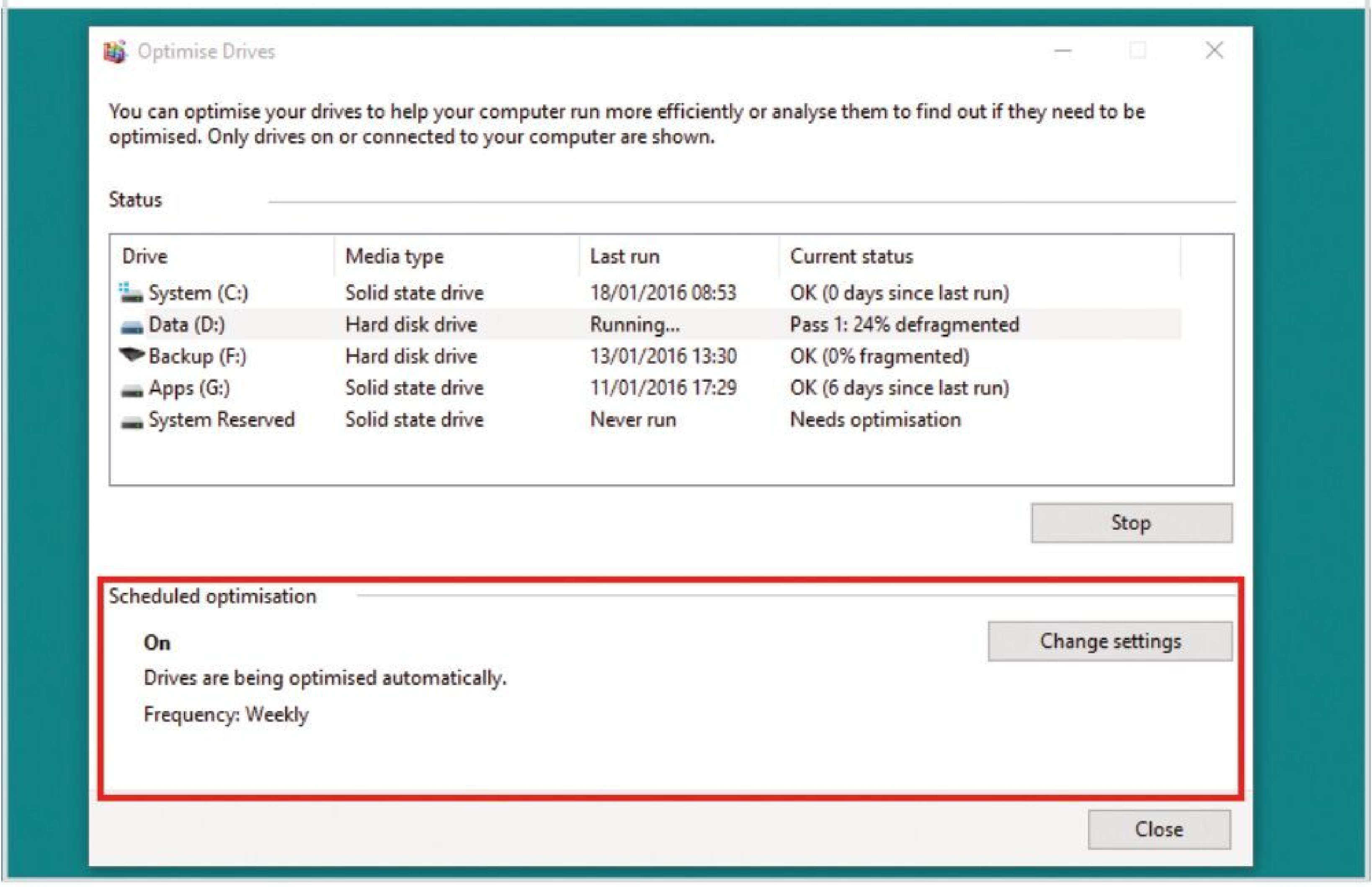
Status

Drive	Media type	Last run	Current status
System (C:)	Solid state drive	18/01/2016 08:53	OK (0 days since last run)
Data (D:)	Hard disk drive	Running...	Pass 1: 24% defragmented
Backup (F:)	Hard disk drive	13/01/2016 13:30	OK (0% fragmented)
Apps (G:)	Solid state drive	11/01/2016 17:29	OK (6 days since last run)
System Reserved	Solid state drive	Never run	Needs optimisation

Scheduled optimisation

On
Drives are being optimised automatically.
Frequency: Weekly

7 In the lower part of the Optimise Drives window you'll see Scheduled Optimisation. This should be set to On by default but if it isn't click on the Change settings button.


Optimise Drives
Stop
Change settings
Close

You can optimise your drives to help your computer run more efficiently or analyse them to find out if they need to be optimised. Only drives on or connected to your computer are shown.

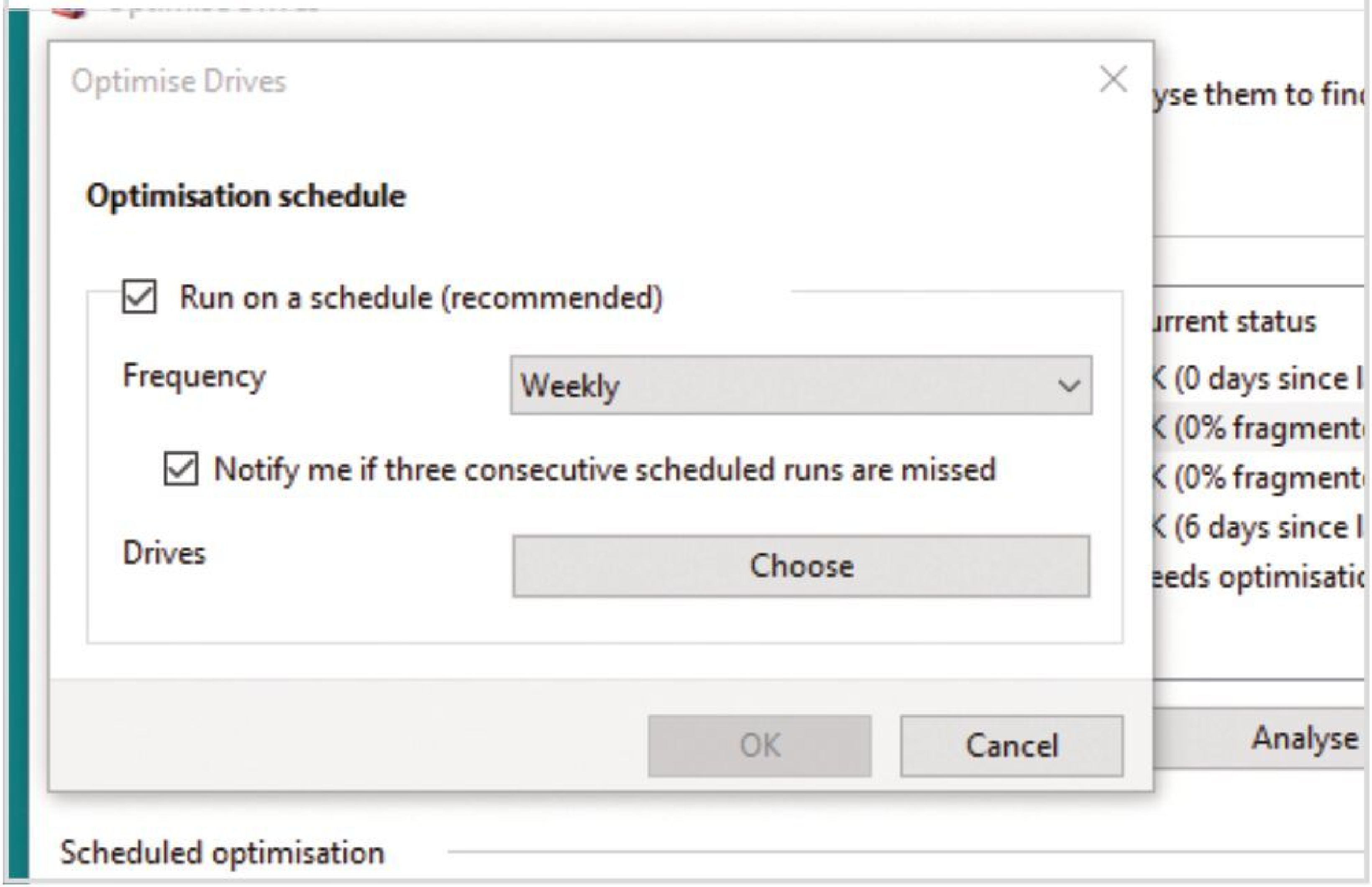
Status

Drive	Media type	Last run	Current status
System (C:)	Solid state drive	18/01/2016 08:53	OK (0 days since last run)
Data (D:)	Hard disk drive	Running...	Pass 1: 24% defragmented
Backup (F:)	Hard disk drive	13/01/2016 13:30	OK (0% fragmented)
Apps (G:)	Solid state drive	11/01/2016 17:29	OK (6 days since last run)
System Reserved	Solid state drive	Never run	Needs optimisation

Scheduled optimisation

On
Drives are being optimised automatically.
Frequency: Weekly

8 You can set your drives to be automatically optimised by ticking the Run on a schedule check box and select the interval; for systems used every day a weekly check is recommended.


Optimise Drives
Choose
OK
Cancel
Analyse
yse them to fin
rrent status
(0 days since l
(0% fragment
(0% fragment
(6 days since l
eeds optimisati
Scheduled optimisation

Optimisation schedule

☑ Run on a schedule (recommended)

Frequency: Weekly

☑ Notify me if three consecutive scheduled runs are missed

Drives

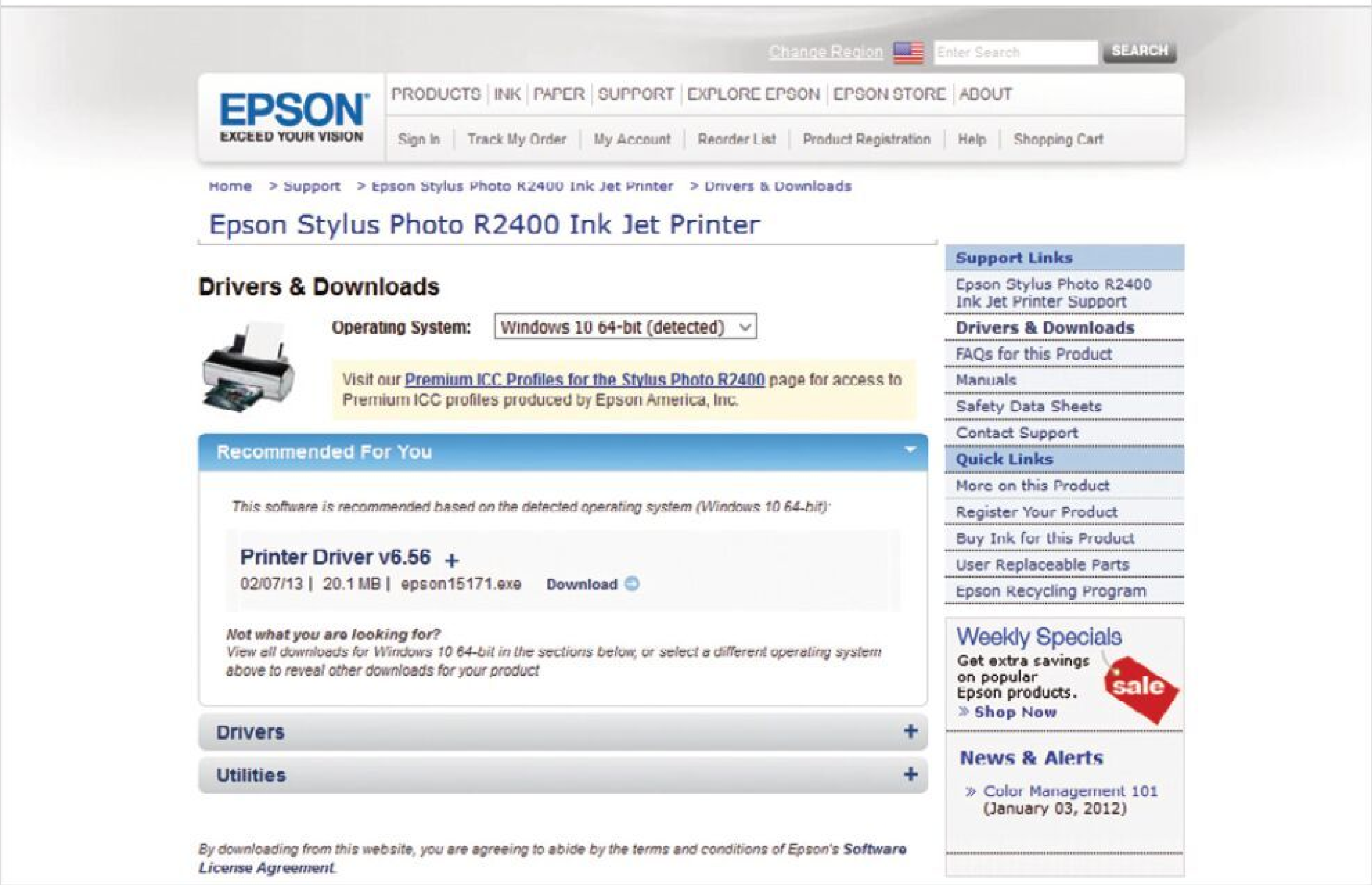
Updating Your Device Drivers

Keeping your device drivers up to date ensures that your computer delivers optimum performance under Windows 10 and makes your whole system more stable and reliable. Once you have updated the drivers for one device, doing the same for any others is relatively easy and quick.

Finding Device Drivers

Windows 10 comes with default generic drivers that will let it talk to most common peripherals but for optimum performance it's a good idea to download and install the latest custom made drivers for your hardware.

1 Go to the website of your peripheral manufacturer. In this case we're looking at the website for Epson printers, to install an update for an R2400 photo printer. Click on the link for product support and enter the model name and/or number.


Change Region
Enter Search
SEARCH
EPSON
EXCEED YOUR VISION
PRODUCTS | INK | PAPER | SUPPORT | EXPLORE EPSON | EPSON STORE | ABOUT
Sign In | Track My Order | My Account | Reorder List | Product Registration | Help | Shopping Cart
Home > Support > Epson Stylus Photo R2400 Ink Jet Printer > Drivers & Downloads
Support Links
Epson Stylus Photo R2400 Ink Jet Printer Support
Drivers & Downloads
FAQs for this Product
Manuals
Safety Data Sheets
Contact Support
Quick Links
More on this Product
Register Your Product
Buy Ink for this Product
User Replaceable Parts
Epson Recycling Program
Weekly Specials
Get extra savings on popular Epson products.
» Shop Now
sale
News & Alerts
» Color Management 101 (January 03, 2012)
Drivers +
Utilities +

Epson Stylus Photo R2400 Ink Jet Printer

Drivers & Downloads

Operating System: Windows 10 64-bit (detected)

Visit our Premium ICC Profiles for the Stylus Photo R2400 page for access to Premium ICC profiles produced by Epson America, Inc.

Recommended For You

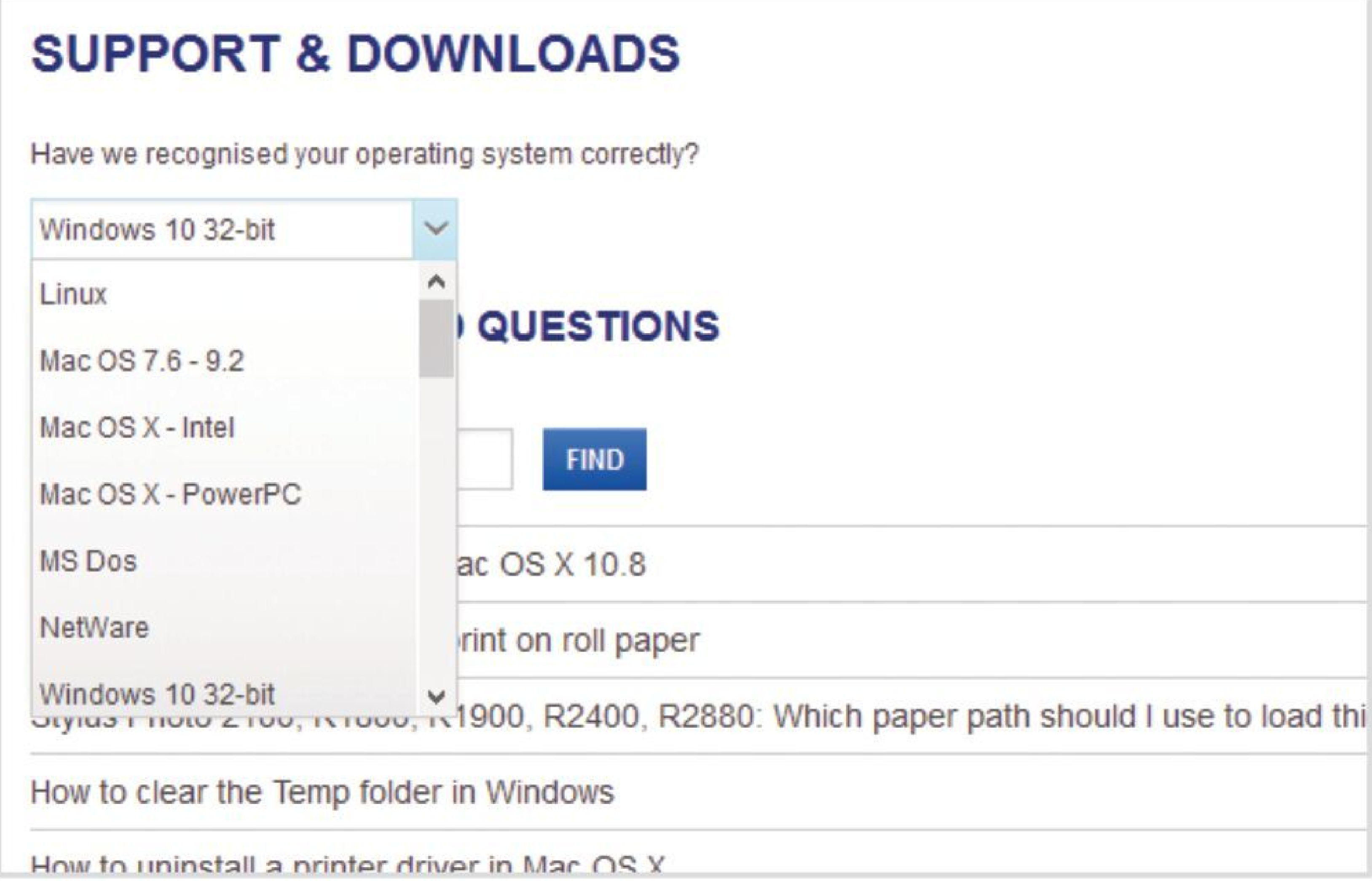
This software is recommended based on the detected operating system (Windows 10 64-bit):

Printer Driver v6.56 +
02/07/13 | 20.1 MB | epson15171.exe Download

Not what you are looking for?
View all downloads for Windows 10 64-bit in the sections below, or select a different operating system above to reveal other downloads for your product

*By downloading from this website, you are agreeing to abide by the terms and conditions of Epson's **Software License Agreement**.*

2 Some websites (such as Epson's) can automatically detect the operating system you're using and immediately offer you the latest recommended driver. In other cases you will have to tell the site that you're using Windows 10.


Windows 10 32-bit
Linux
Mac OS 7.6 - 9.2
Mac OS X - Intel
Mac OS X - PowerPC
MS Dos
NetWare
Windows 10 32-bit
QUESTIONS
FIND

SUPPORT & DOWNLOADS

Have we recognised your operating system correctly?

ac OS X 10.8

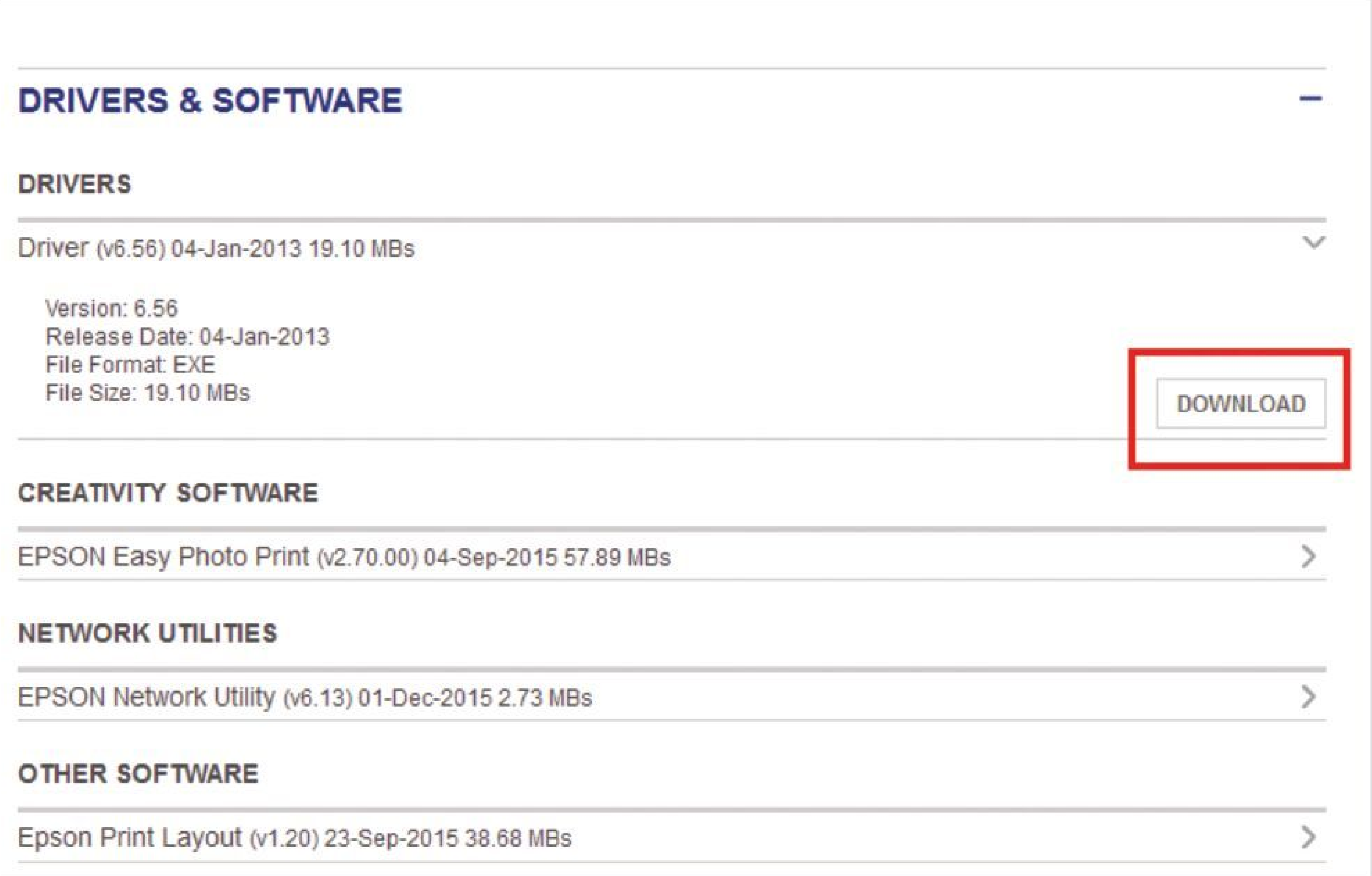
rint on roll paper

1900, R2400, R2880: Which paper path should I use to load thi

How to clear the Temp folder in Windows

How to uninstall a printer driver in Mac OS X

3 Once you've entered the model name and told the site that you're looking for Windows 10 drivers, you should be offered a link to download the latest driver. Click on the link and download the driver file to your desktop.



DRIVERS & SOFTWARE

DRIVERS

Driver (v6.56) 04-Jan-2013 19.10 MBs

Version: 6.56
Release Date: 04-Jan-2013
File Format: EXE
File Size: 19.10 MBs

CREATIVITY SOFTWARE

EPSON Easy Photo Print (v2.70.00) 04-Sep-2015 57.89 MBs

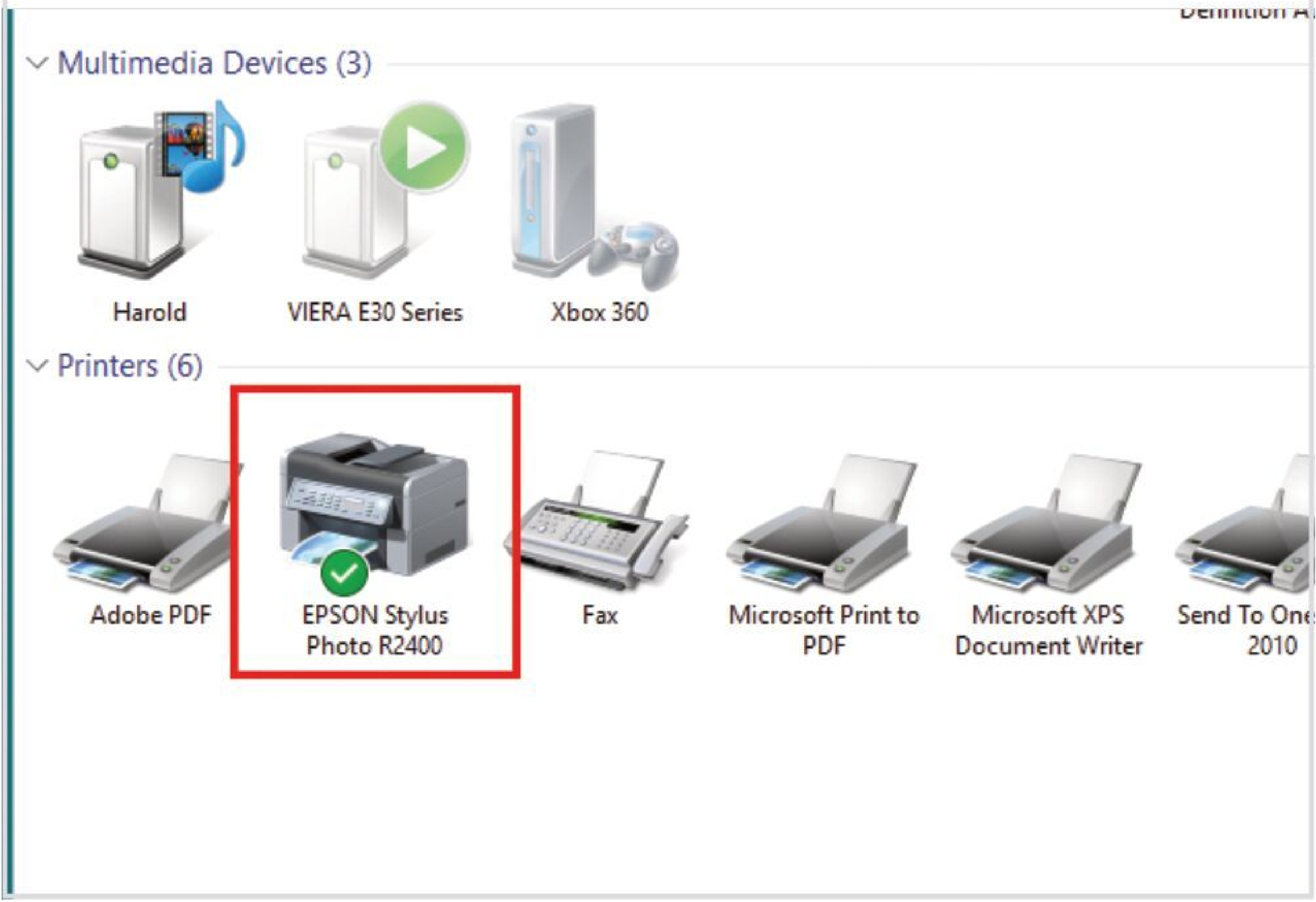
NETWORK UTILITIES

EPSON Network Utility (v6.13) 01-Dec-2015 2.73 MBs

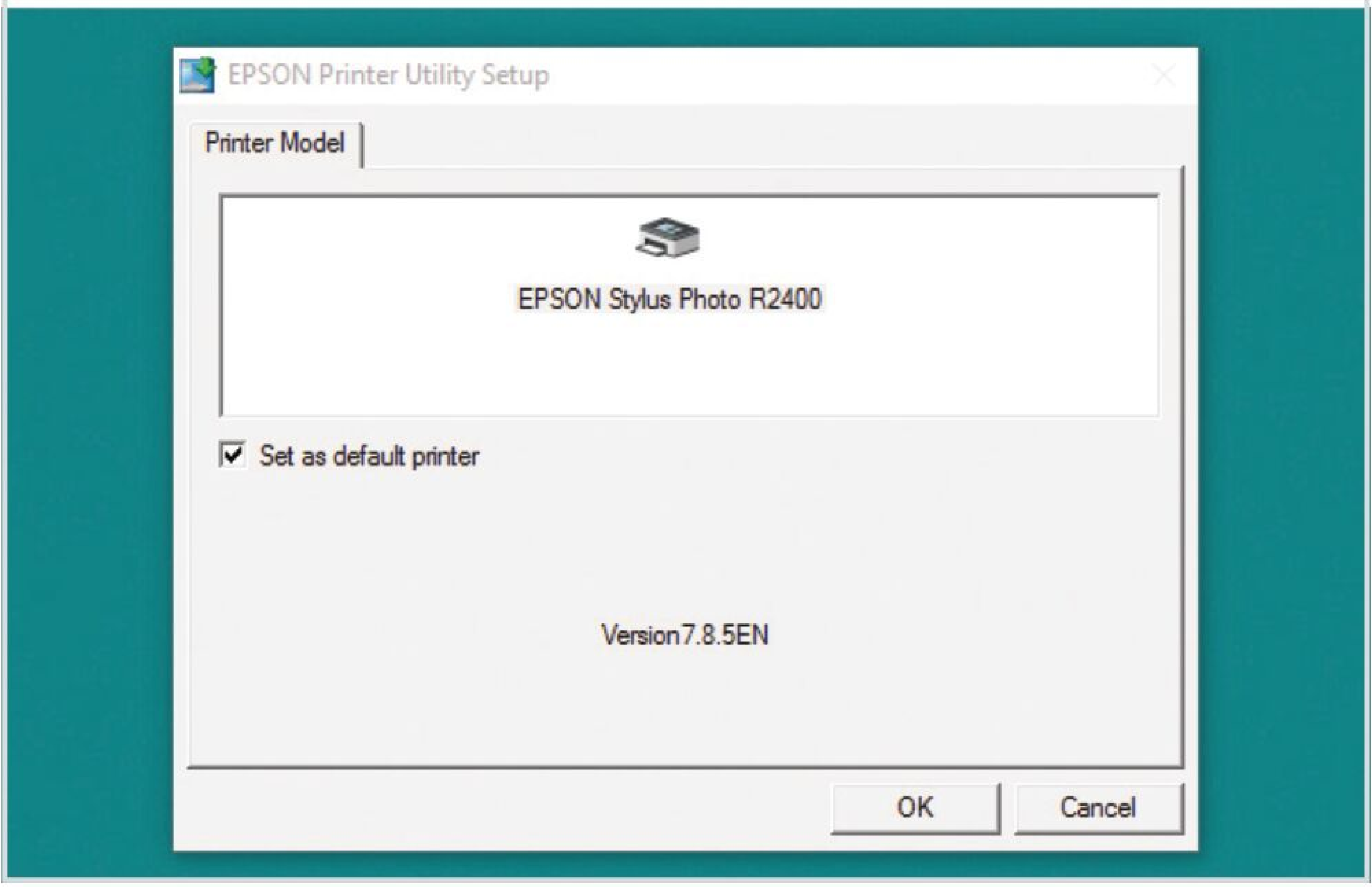
OTHER SOFTWARE

Epson Print Layout (v1.20) 23-Sep-2015 38.68 MBs

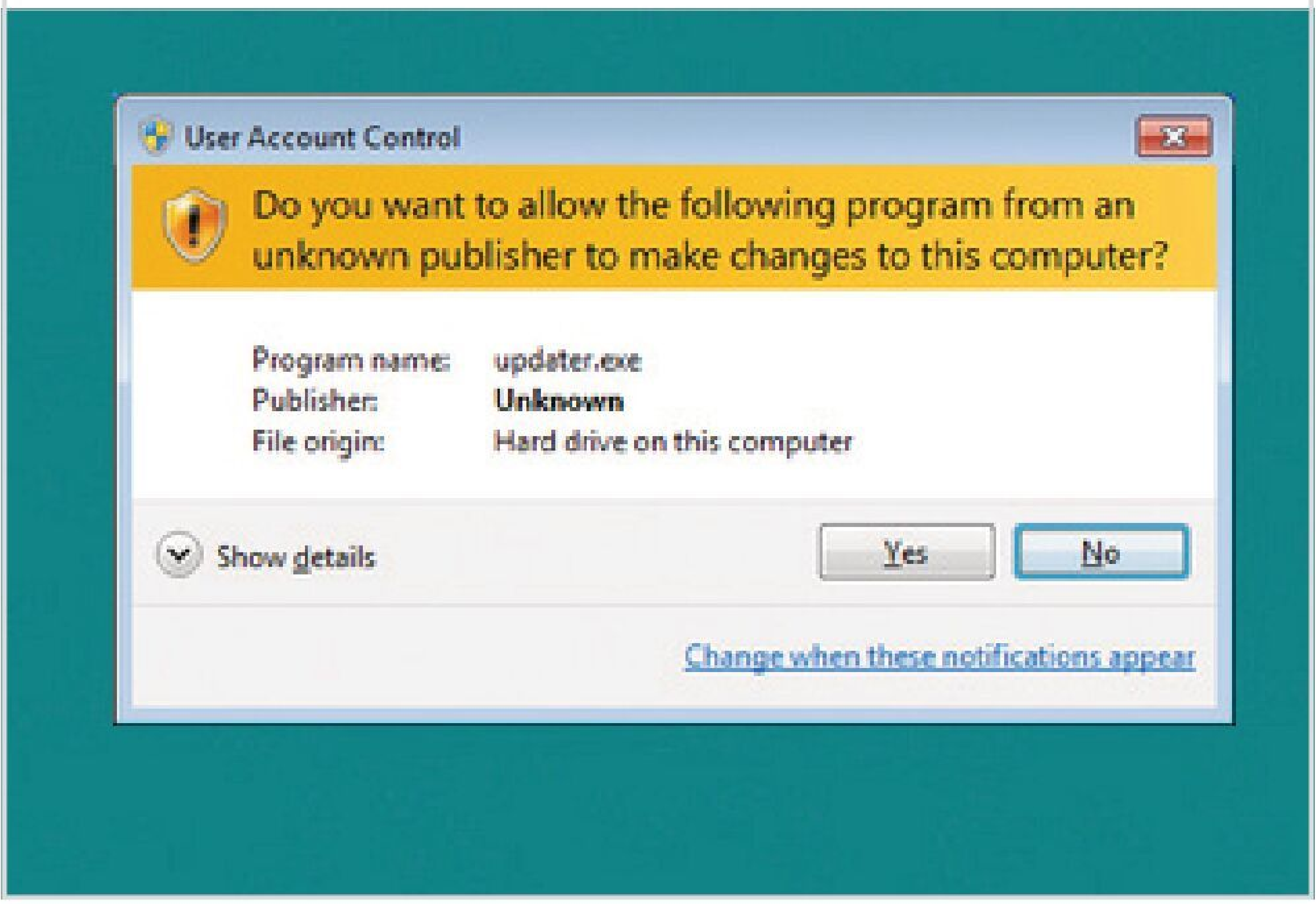
4 If you're installing a driver for a device that has to be plugged in and switched on in order to work, such as a printer, make sure that the device is connected and powered up before proceeding.


Multimedia Devices (3)
Harold
VIERA E30 Series
Xbox 360
Printers (6)
Adobe PDF
EPSON Stylus Photo R2400
Fax
Microsoft Print to PDF
Microsoft XPS Document Writer
Send To One 2010

5 Once the driver download is complete, go to your desktop and locate the newly downloaded file. Double-click on it to begin installation.


EPSON Printer Utility Setup
Printer Model
EPSON Stylus Photo R2400
☑ Set as default printer
Version7.8.5EN
OK
Cancel

6 You'll see a message from Windows asking if you want to proceed with software installation. Click OK to proceed.

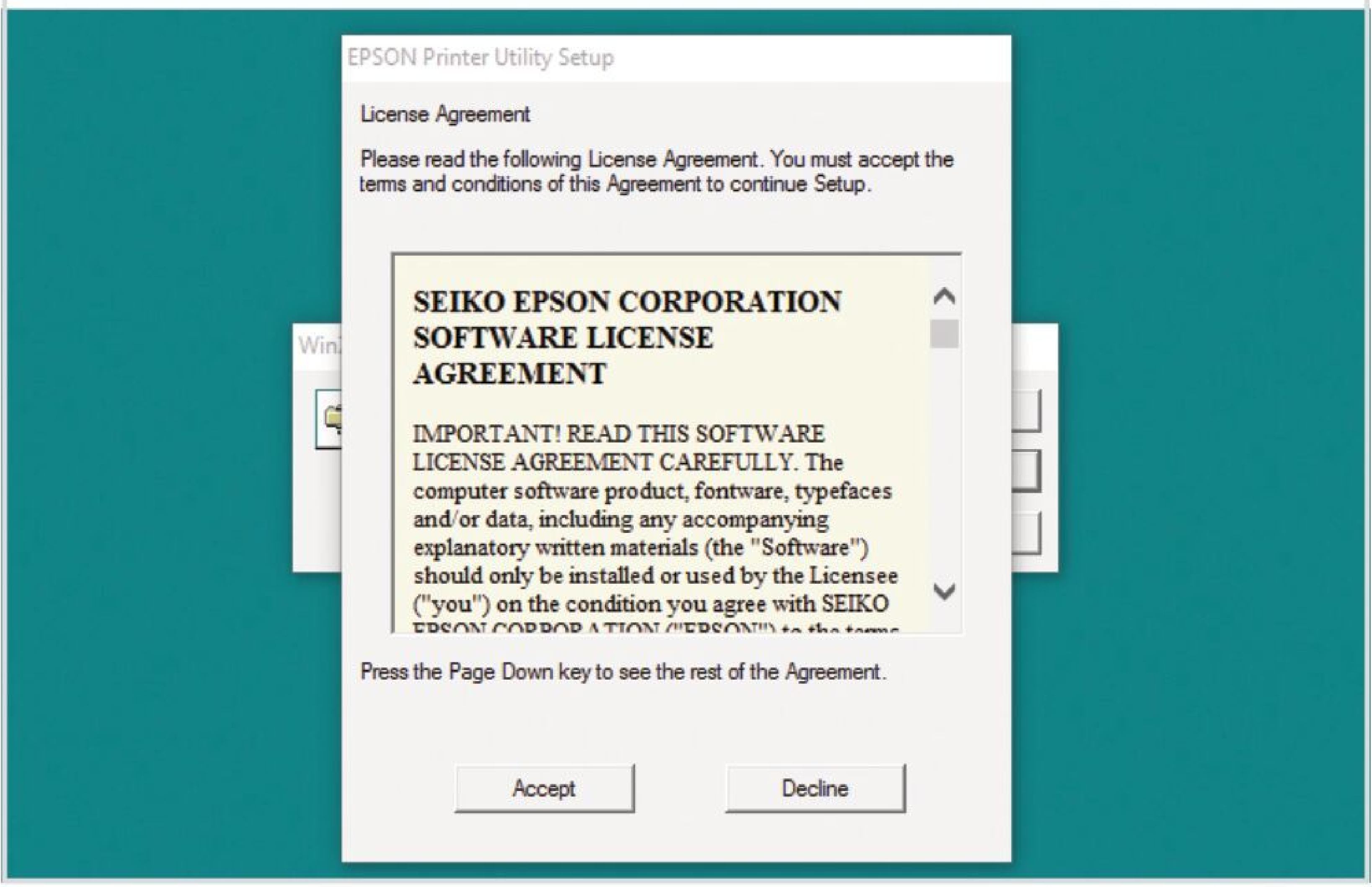

User Account Control

Do you want to allow the following program from an unknown publisher to make changes to this computer?

Program name: updater.exe
Publisher: **Unknown**
File origin: Hard drive on this computer

Show details
Yes
No
Change when these notifications appear

7 From here on the process is mostly just clicking OK on a series of windows. Do check that the device driver you're installing matches the device connected to your PC.


EPSON Printer Utility Setup

License Agreement

Please read the following License Agreement. You must accept the terms and conditions of this Agreement to continue Setup.

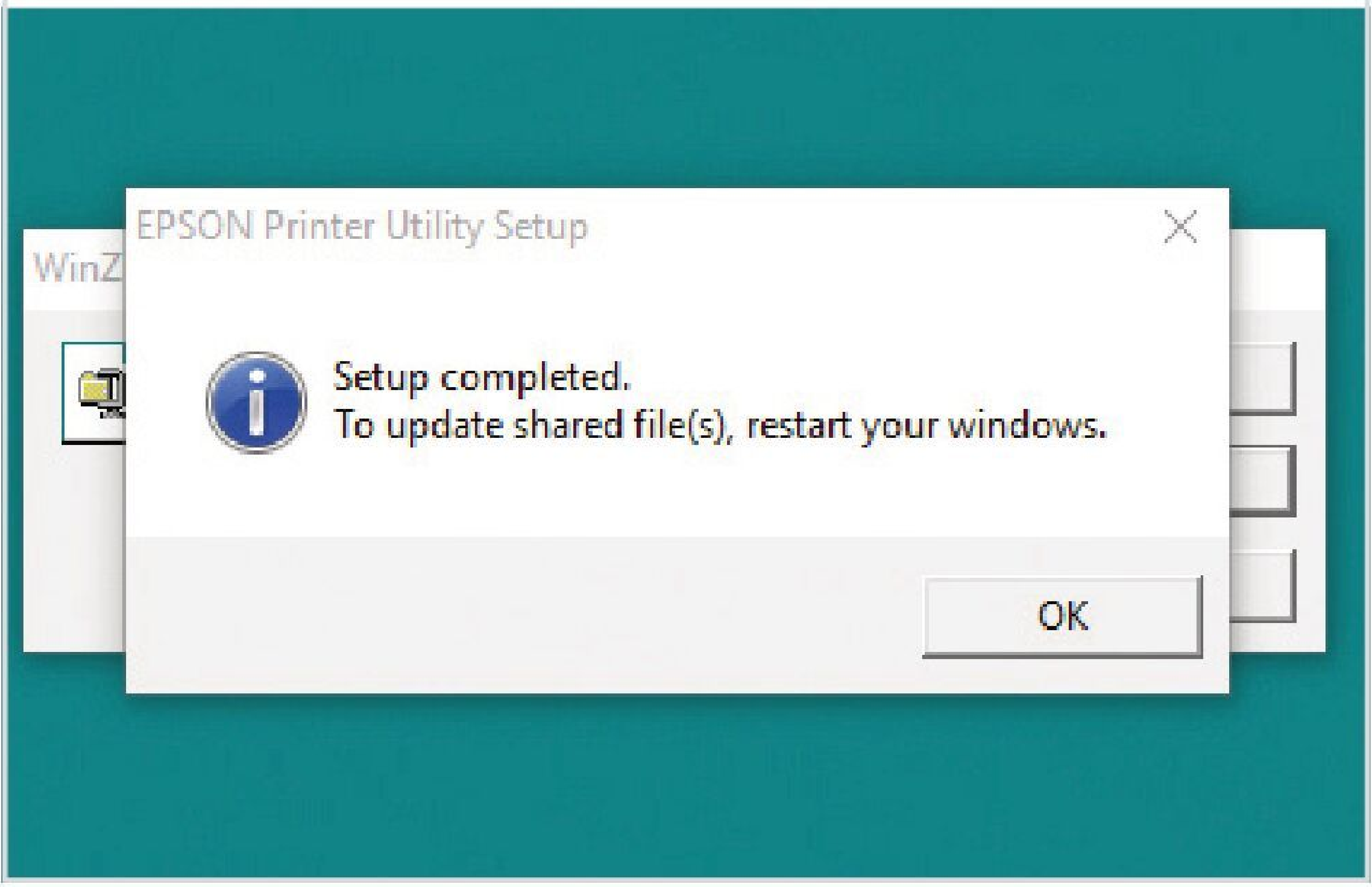
SEIKO EPSON CORPORATION SOFTWARE LICENSE AGREEMENT

IMPORTANT! READ THIS SOFTWARE LICENSE AGREEMENT CAREFULLY. The computer software product, fontware, typefaces and/or data, including any accompanying explanatory written materials (the "Software") should only be installed or used by the Licensee ("you") on the condition you agree with SEIKO

Press the Page Down key to see the rest of the Agreement.

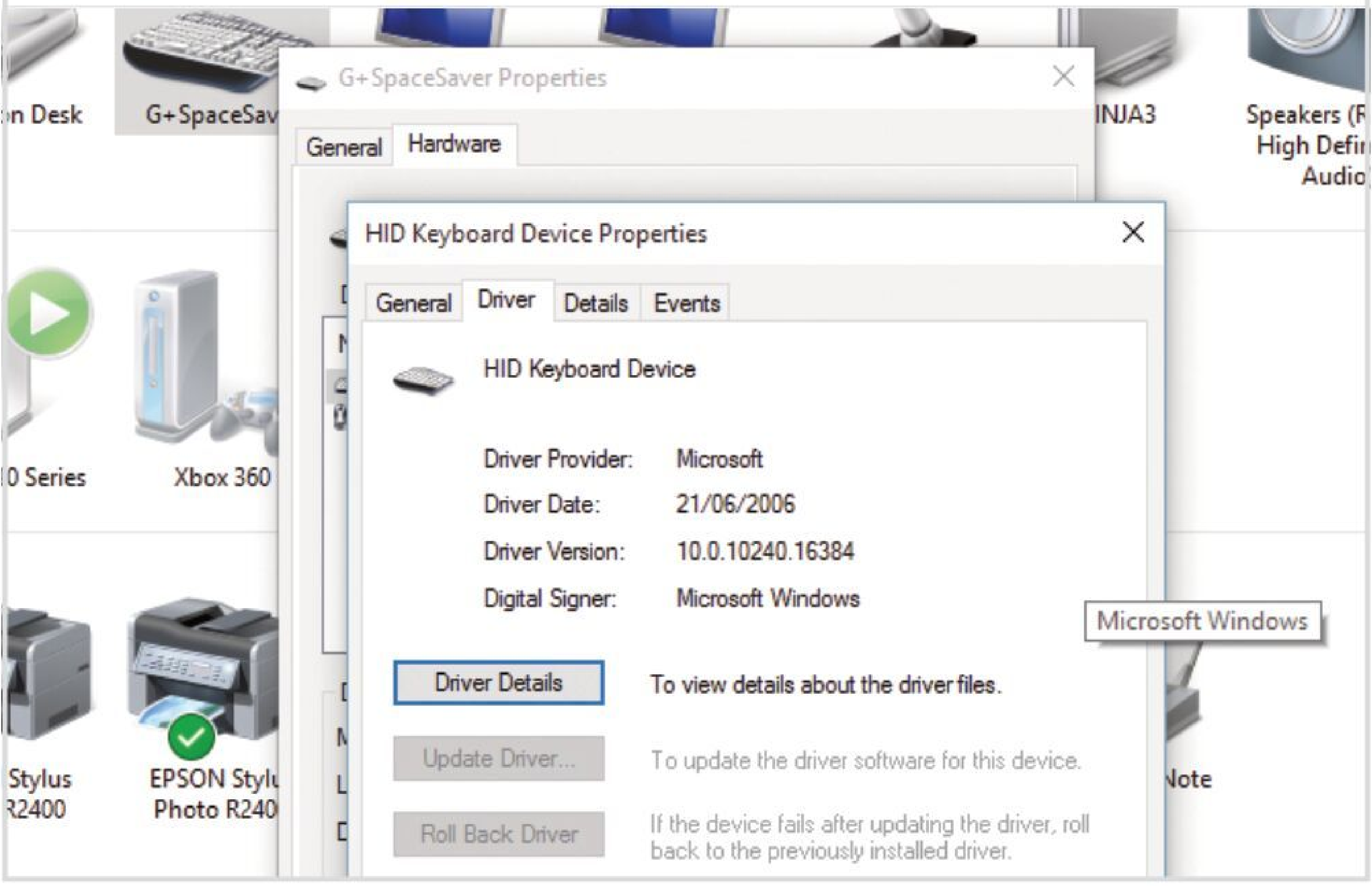
Accept
Decline

8 The driver installation should only take a few seconds. When it's complete you'll receive a notification telling you that the installation was successful.


EPSON Printer Utility Setup

Setup completed.
To update shared file(s), restart your windows.

9 Repeat this process for any other peripherals that are connected to your system. You don't need to restart between installations for different types of devices.

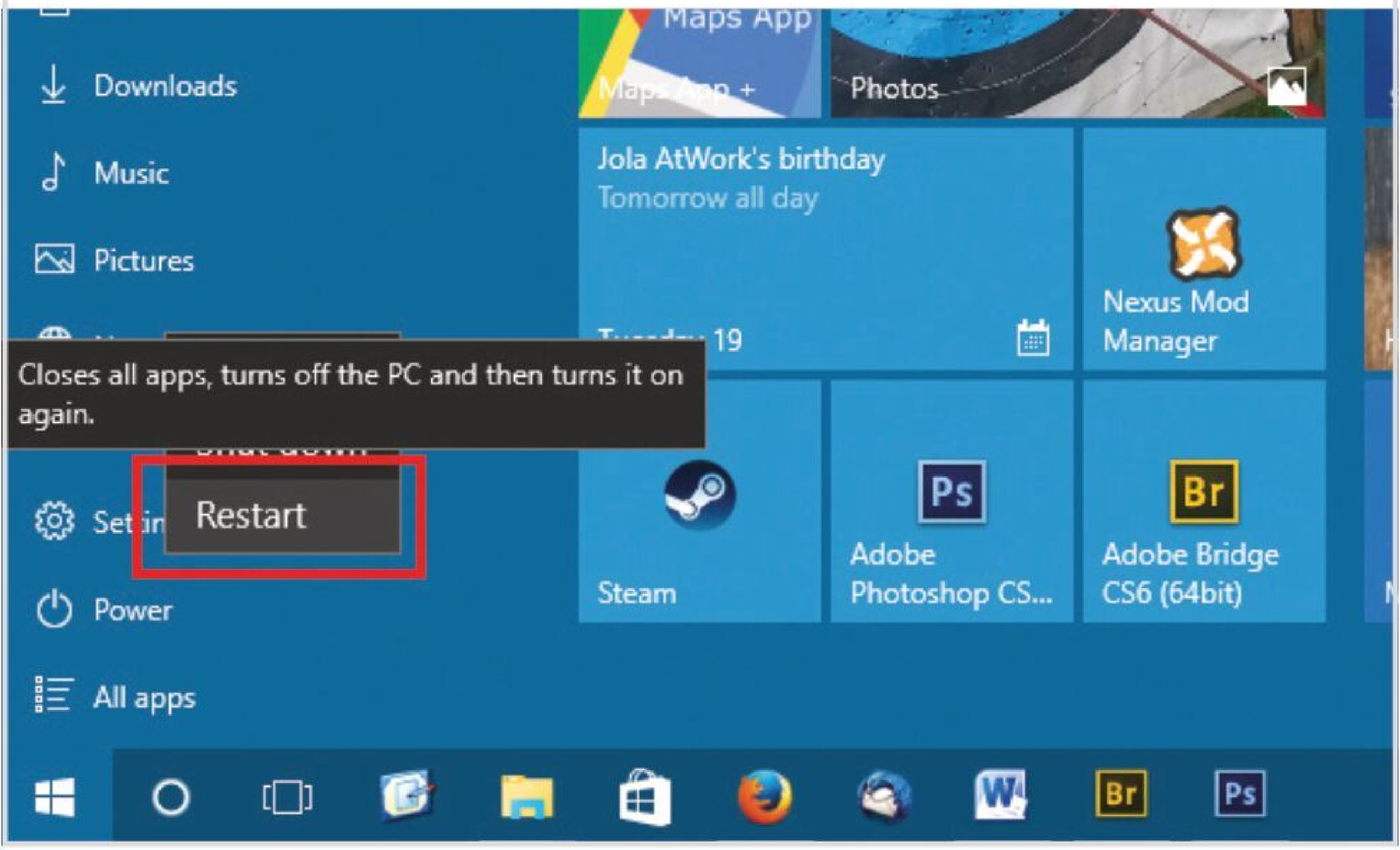

G+SpaceSaver Properties
General
Hardware
HID Keyboard Device Properties
General
Driver
Details
Events
Microsoft Windows
Xbox 360
EPSON Stylus Photo R240

HID Keyboard Device

Driver Provider: Microsoft
Driver Date: 21/06/2006
Driver Version: 10.0.10240.16384
Digital Signer: Microsoft Windows

Driver Details — To view details about the driver files.
Update Driver... — To update the driver software for this device.
Roll Back Driver — If the device fails after updating the driver, roll back to the previously installed driver.

10 Once you've finished updating your drivers, it's a good idea to restart your machine, since this should clear out any temporary files created during the installation process, as well as finalising the deletion of any old drivers.


Closes all apps, turns off the PC and then turns it on again.

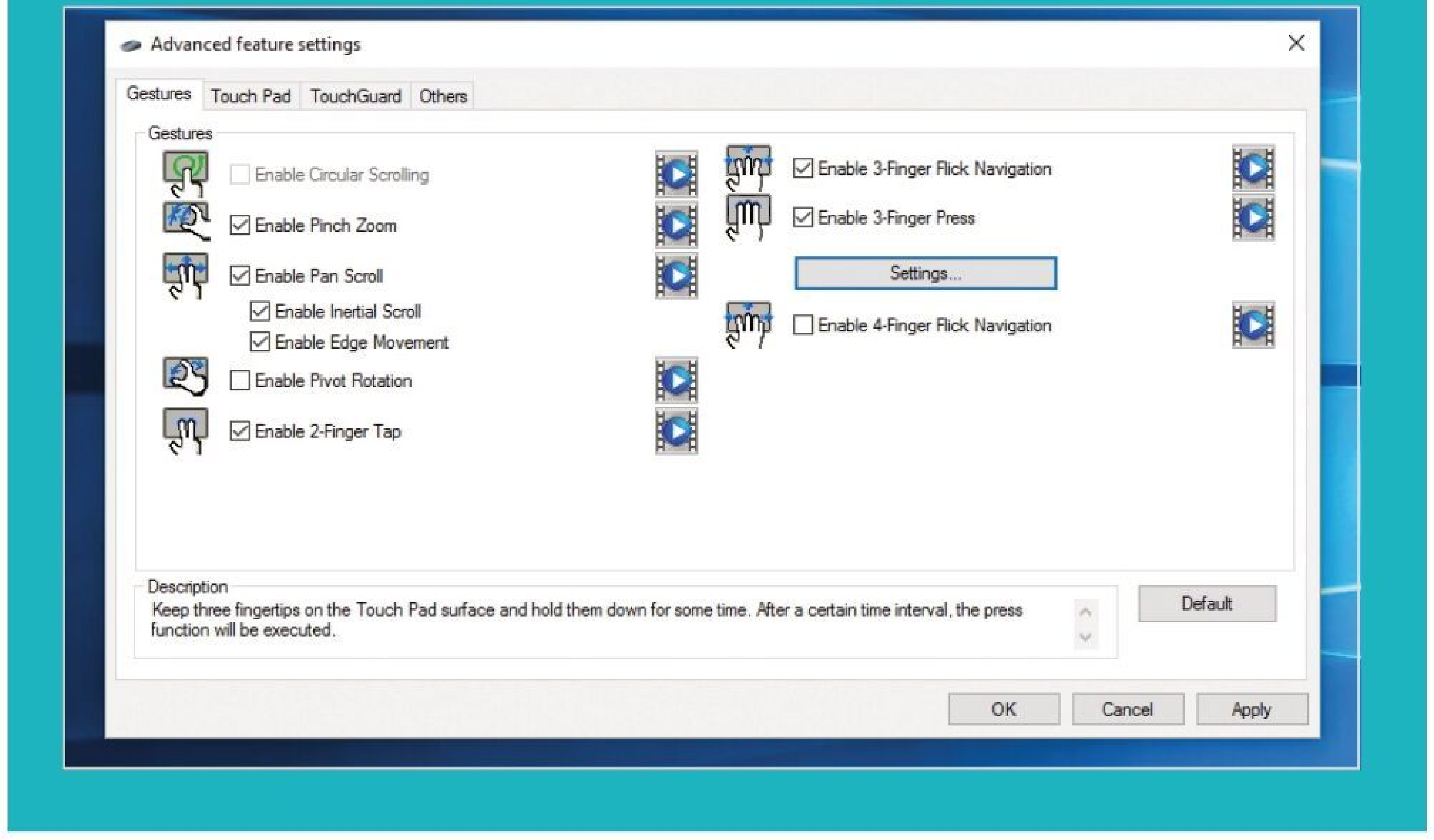
Downloads
Music
Pictures
Restart
Power
All apps
Maps App
Photos
Jola AtWork's birthday
Tomorrow all day
Nexus Mod Manager
Steam
Adobe Photoshop CS...
Adobe Bridge CS6 (64bit)

Windows 10 Touchpad Gestures

If you are familiar with using a laptop, you will no doubt also be familiar with using a touchpad or trackpad to control it. However even if you are used to controlling your laptop with the touchpad, it can be some time before it feels as familiar as using a traditional mouse. Luckily Windows 10 allows for several very useful touchpad gestures which, when combined with hotkeys, make using a laptop much quicker and easier.

TOUCHPAD SETTINGS

Windows 10 contains some basic touchpad settings when used on a laptop but you may also need to get into the hardware settings for your particular laptop. You can usually find this in the taskbar menu. If not, use the universal search to find “Touch Pad Settings” and click on “Additional Settings”.



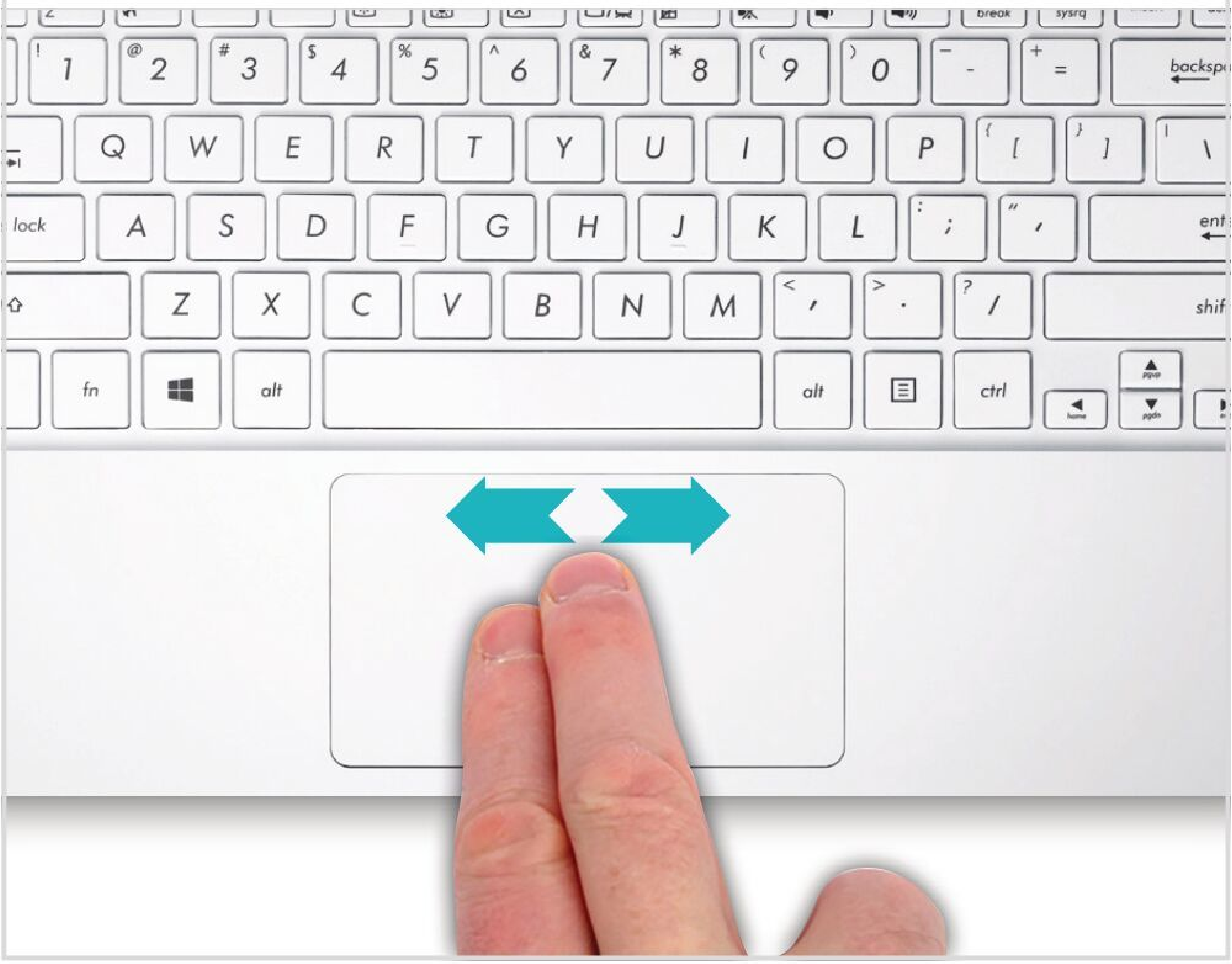
Gestures

- ☐ Enable Circular Scrolling
- ☑ Enable Pinch Zoom
- ☑ Enable Pan Scroll
  - ☑ Enable Inertial Scroll
  - ☑ Enable Edge Movement
- ☐ Enable Pivot Rotation
- ☑ Enable 2-Finger Tap
- ☑ Enable 3-Finger Flick Navigation
- ☑ Enable 3-Finger Press
- ☐ Enable 4-Finger Flick Navigation

Description
Keep three fingertips on the Touch Pad surface and hold them down for some time. After a certain time interval, the press function will be executed.

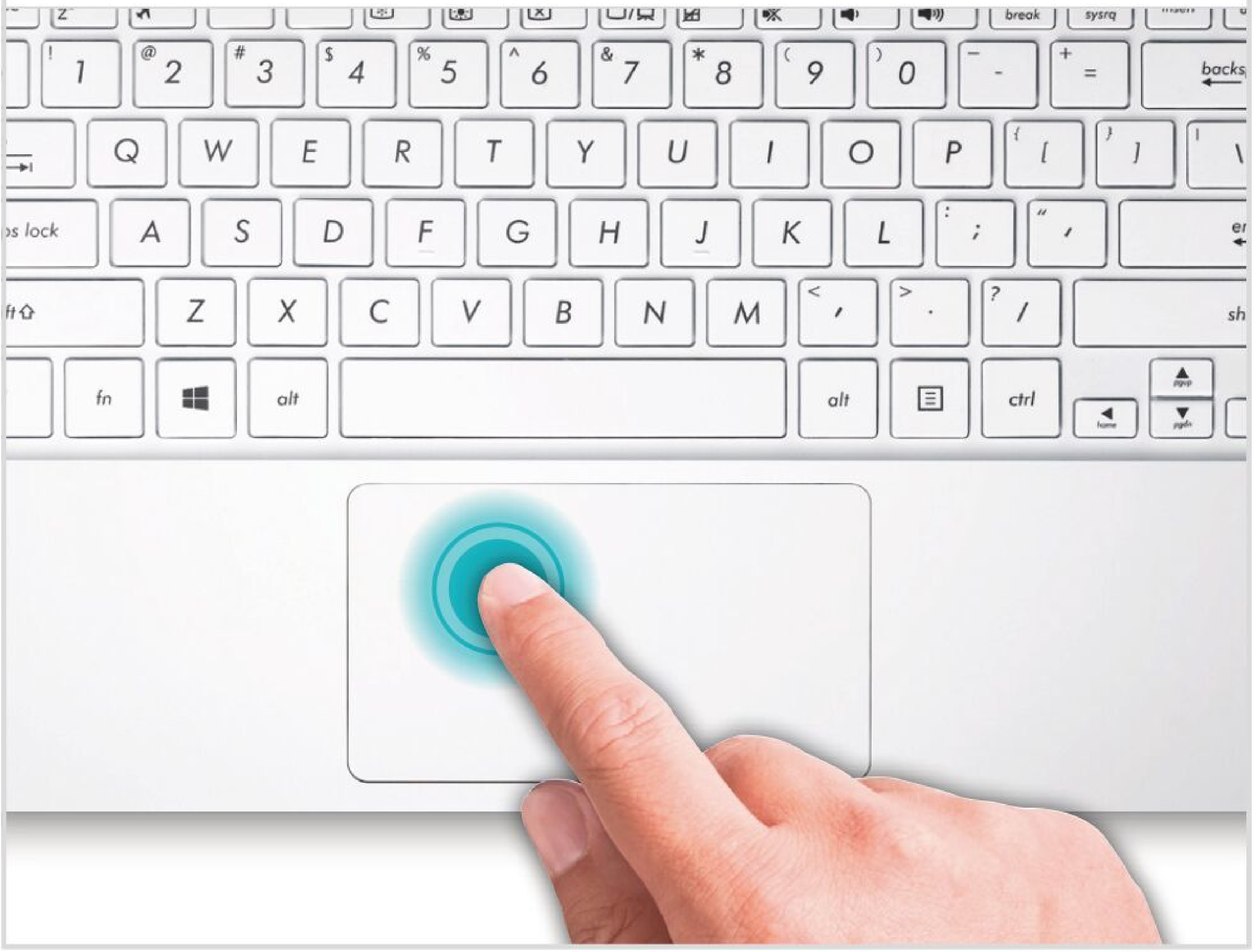
Horizontal Scroll

Place two fingers on the touchpad and slide horizontally. This gesture will work in any app that allows horizontal scrolling, such as the Internet browser.



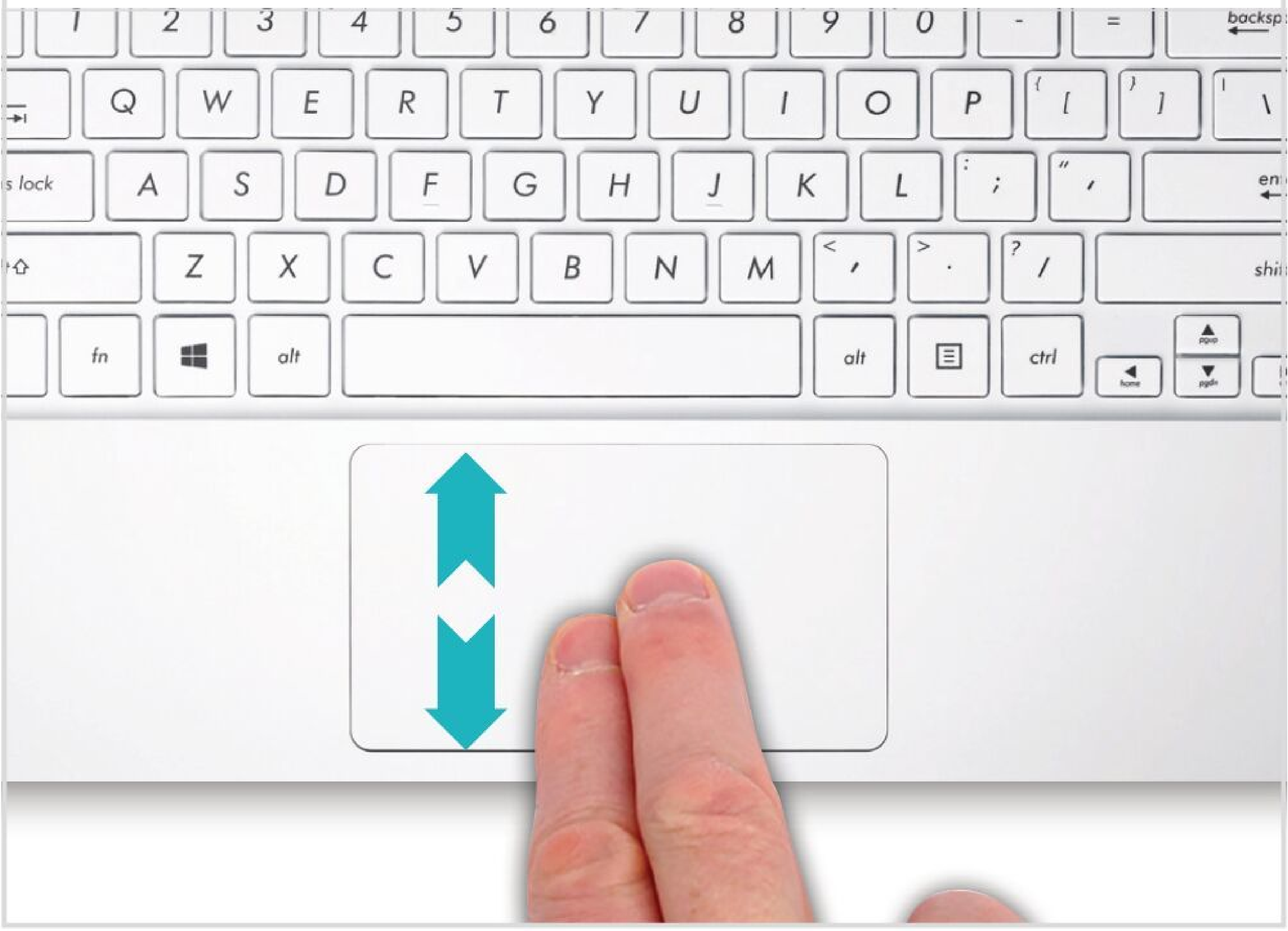
Select Item

Tap the touch pad with one finger when over the item you want to select. You can also tap twice to select items that need a double-click.



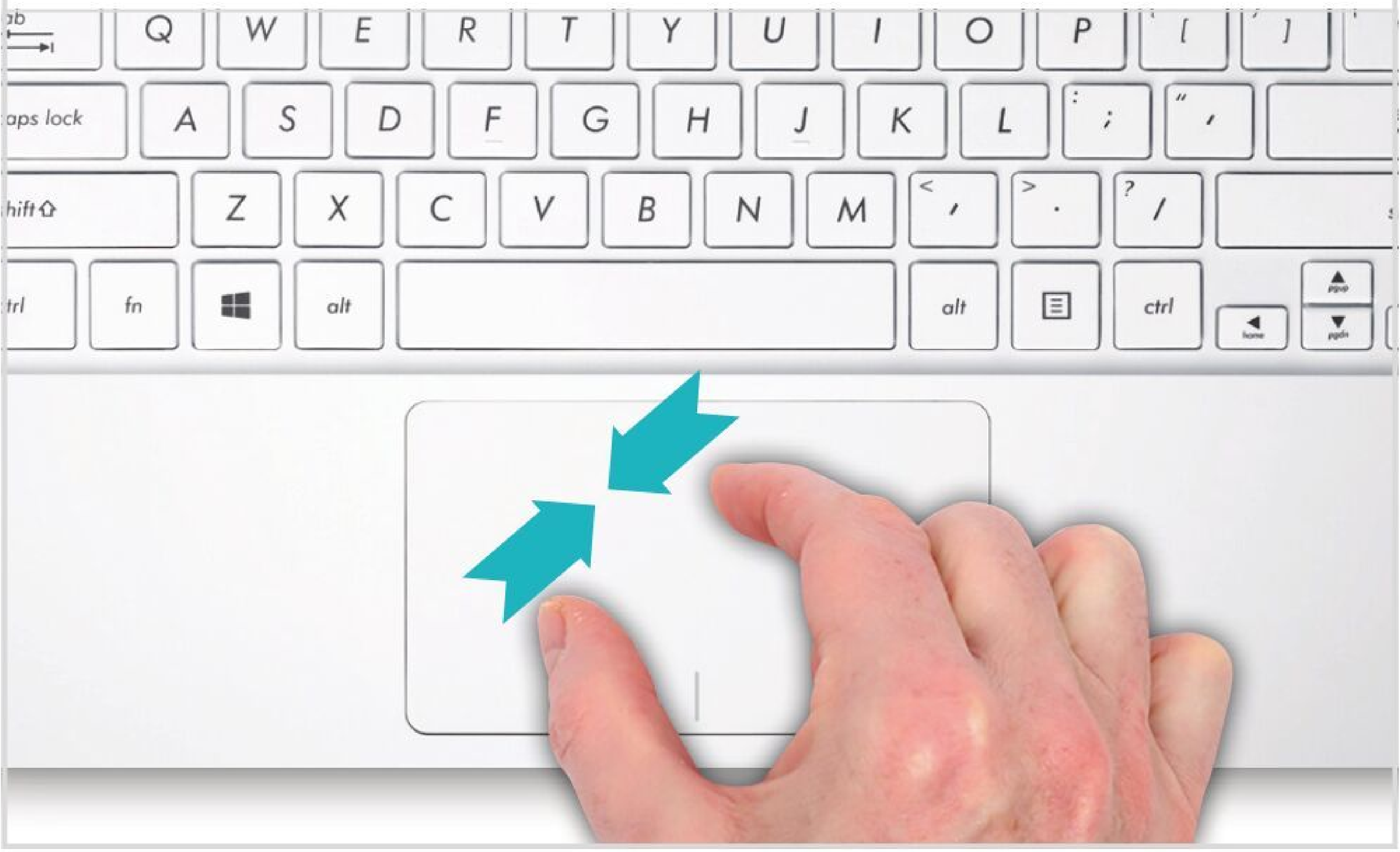
Vertical Scroll

Place two fingers on the touchpad and slide vertically. This gesture is useful for scrolling down through web pages or when reading long text documents such as Word docs.



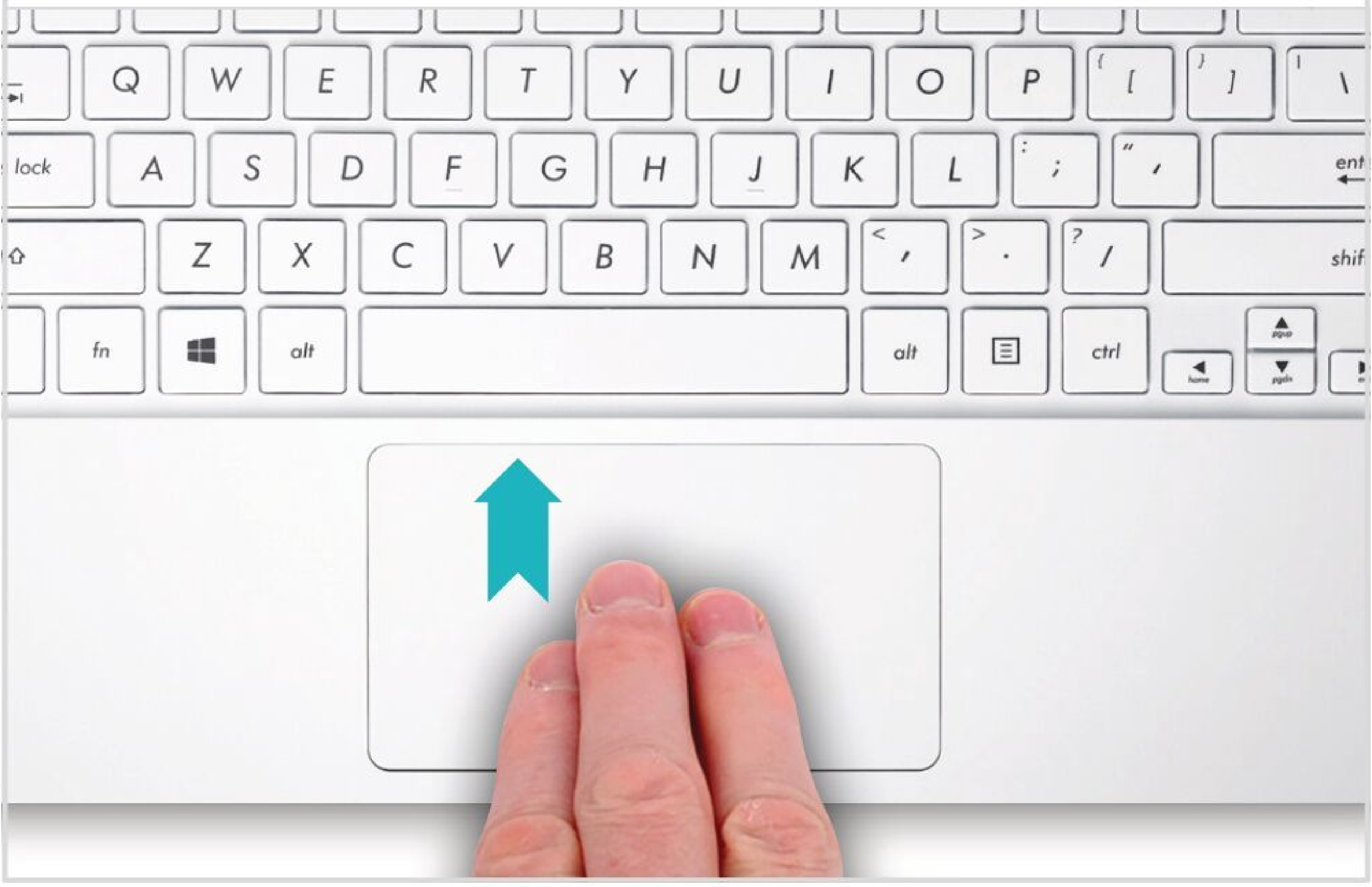
Zoom In

Place two fingers on the touchpad and pinch in diagonally. This gesture will be familiar to anyone who uses a smartphone or tablet. Can be used in several core apps, including Photos.



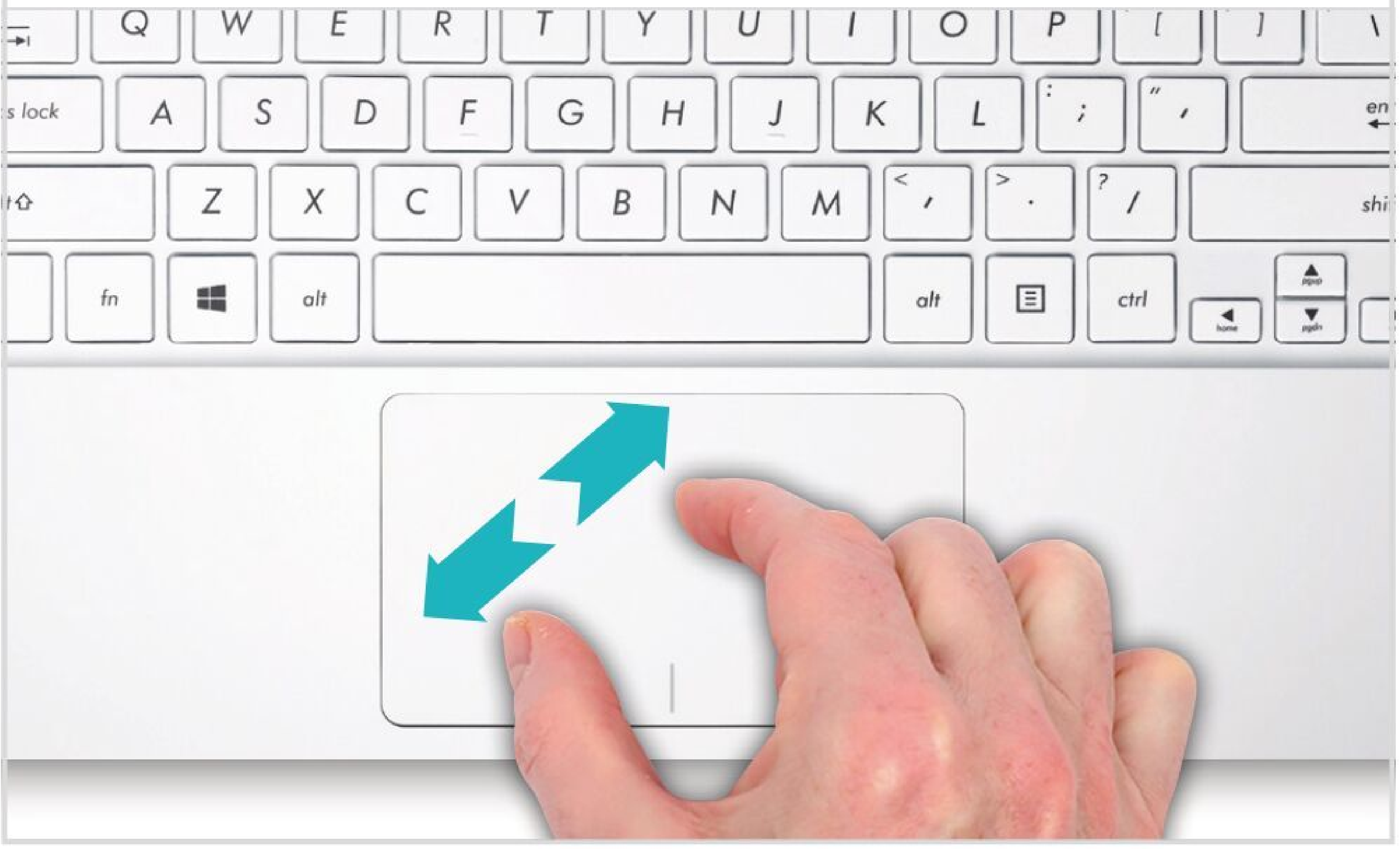
Task View

Place three fingers on the touchpad and swipe them away from you. This is one of the new gestures that may not work on your device if it does not have a precision touchpad.



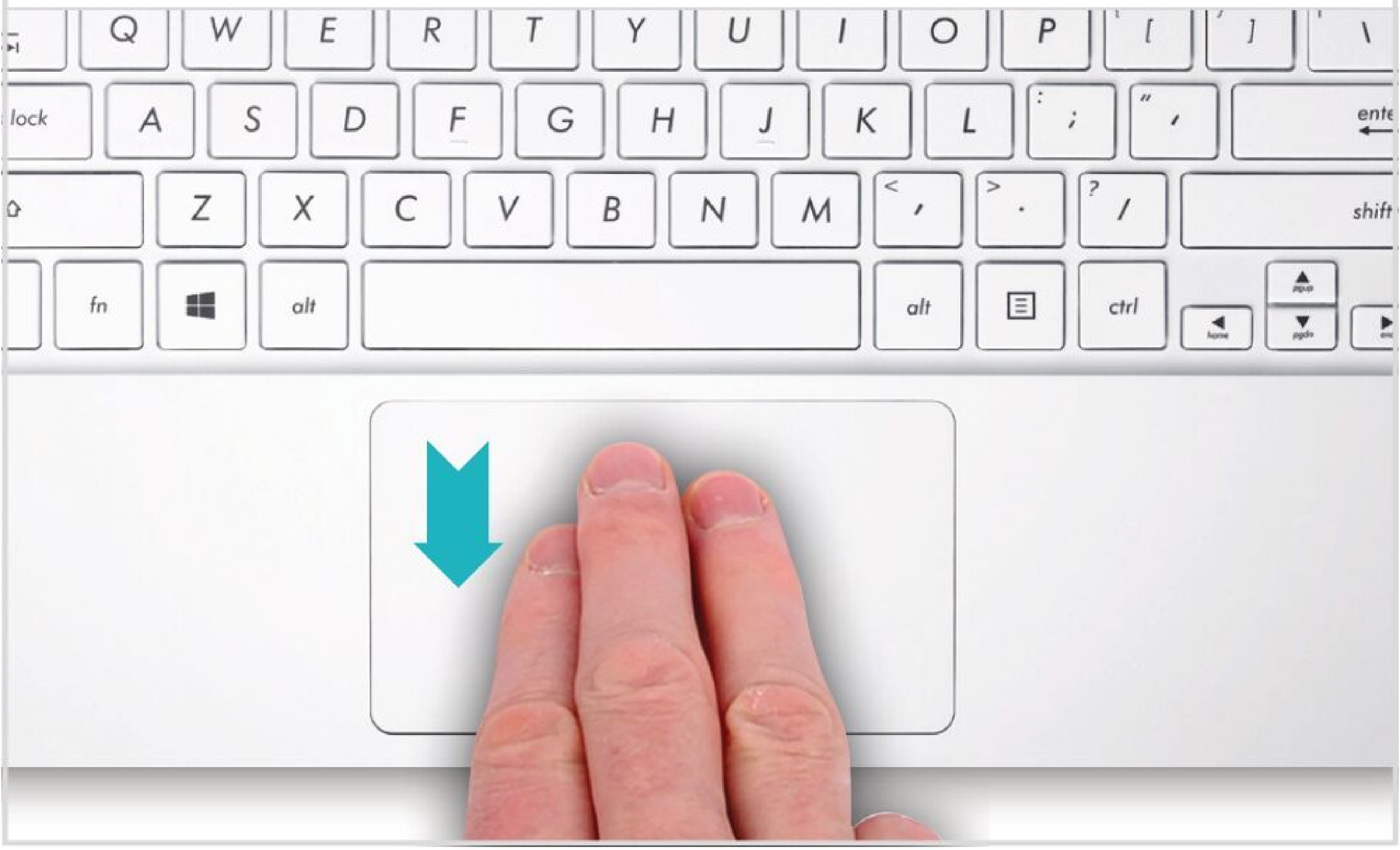
Zoom Out

Place two fingers on the touchpad and spread out diagonally. When you change zoom in a browser, a pop-up will usually appear as you zoom, showing you the change from the default 100%.



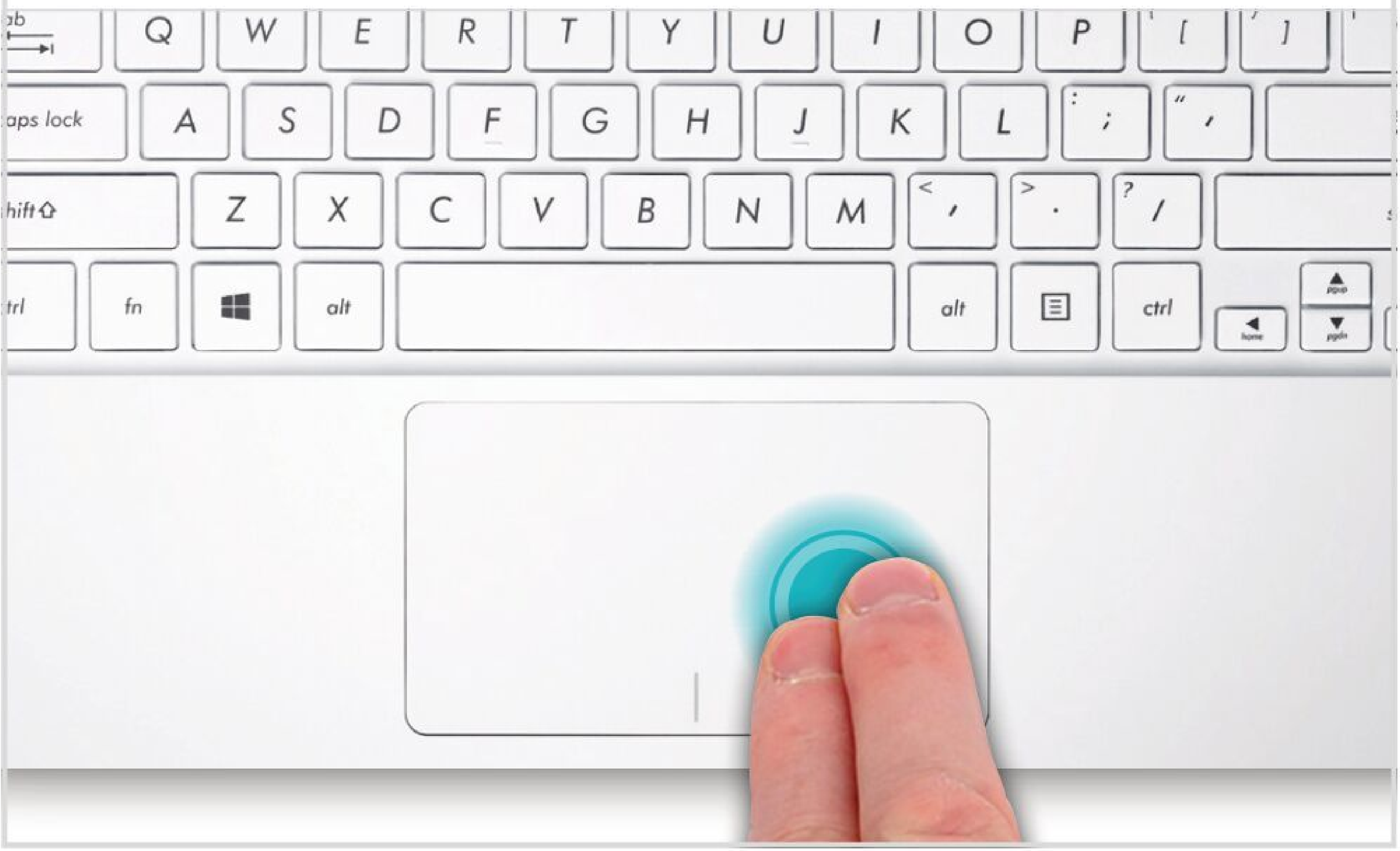
Show Desktop

Place three fingers on the touchpad and swipe them towards yourself. Again, this requires a precision touchpad to work. This can also be achieved by pressing Windows Key + D.



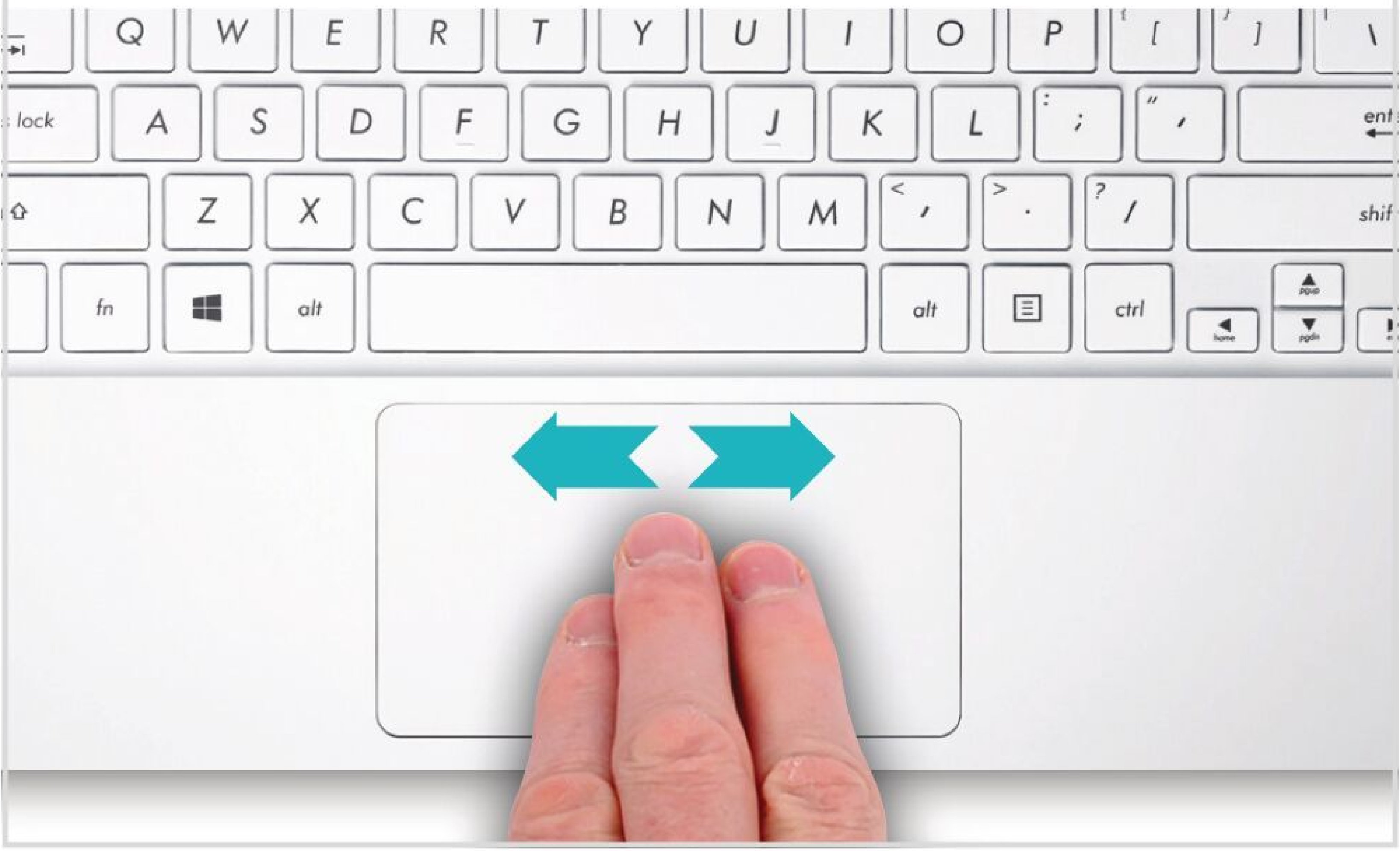
Context Menu

Tap the touchpad with two fingers or press in the bottom right corner. This gesture results in the same as right-clicking with a traditional mouse, usually opening a contextual menu.



Switch Windows

Place three fingers on the touchpad and swipe right or left. Requires precision touchpad. You can also switch between open windows easily by holding Alt and tapping Tab.



Windows 10 Hotkeys

Hotkeys, or keyboard shortcuts, are a useful way to speed up navigating your way around Windows 10, especially if you are using a laptop and touch pad. Many users know basic Hotkey combinations, such as Ctrl + C and Alt + Tab, but there are literally hundreds more to learn. These let you do everything from Snap windows left or right, to switching between Virtual Desktops. Here are some of the most useful Hotkeys for everyday use.

Basic Hotkeys

Ctrl+C : Copy the selected item
Ctrl+X : Cut the selected item
Ctrl+V : Paste the selected item
Ctrl+Z : Undo an action
Alt+Tab : Switch between open apps
Alt+F4 : Close an active item, or exit an app
Windows key + L : Lock your PC or switch accounts
Windows key + D : Display and hide the desktop
Shift+Delete : Delete item without moving to Recycle Bin

Snap Hotkeys

Windows key + Up Arrow : Maximise current window
Windows key + Down Arrow : Restores window size
Windows key + Left Arrow : Snaps current window to the left
Windows key + Right Arrow : Snaps current window to the right
Windows key + 2 Arrow Keys : Snaps current window into one corner

Typing Hotkeys

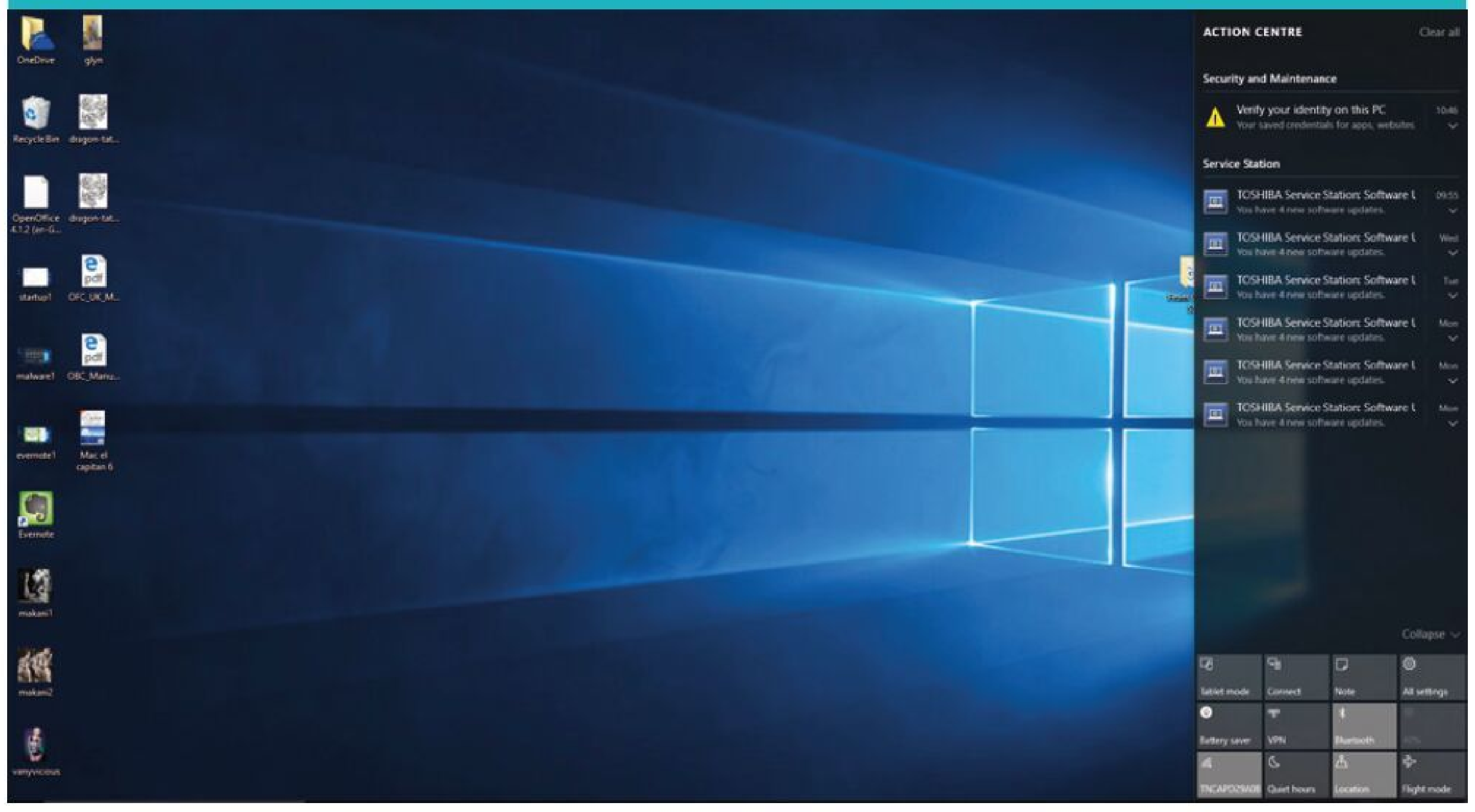
Ctrl + C : Copy the selected item
Ctrl + D : Delete the selected item and move it to the Recycle Bin
Ctrl + R : Refresh the active window
Ctrl + V : Paste the selected item
Ctrl + Y : Redo an action
Ctrl + Z : Undo an action
Ctrl + Right arrow : Move the cursor to the beginning of the next word
Ctrl + Left arrow : Move the cursor to the beginning of the previous word
Ctrl + Down arrow : Move the cursor to the beginning of the next paragraph
Ctrl + Up arrow : Move the cursor to the beginning of the previous paragraph
Ctrl + Shift with an arrow key : Select a block of text

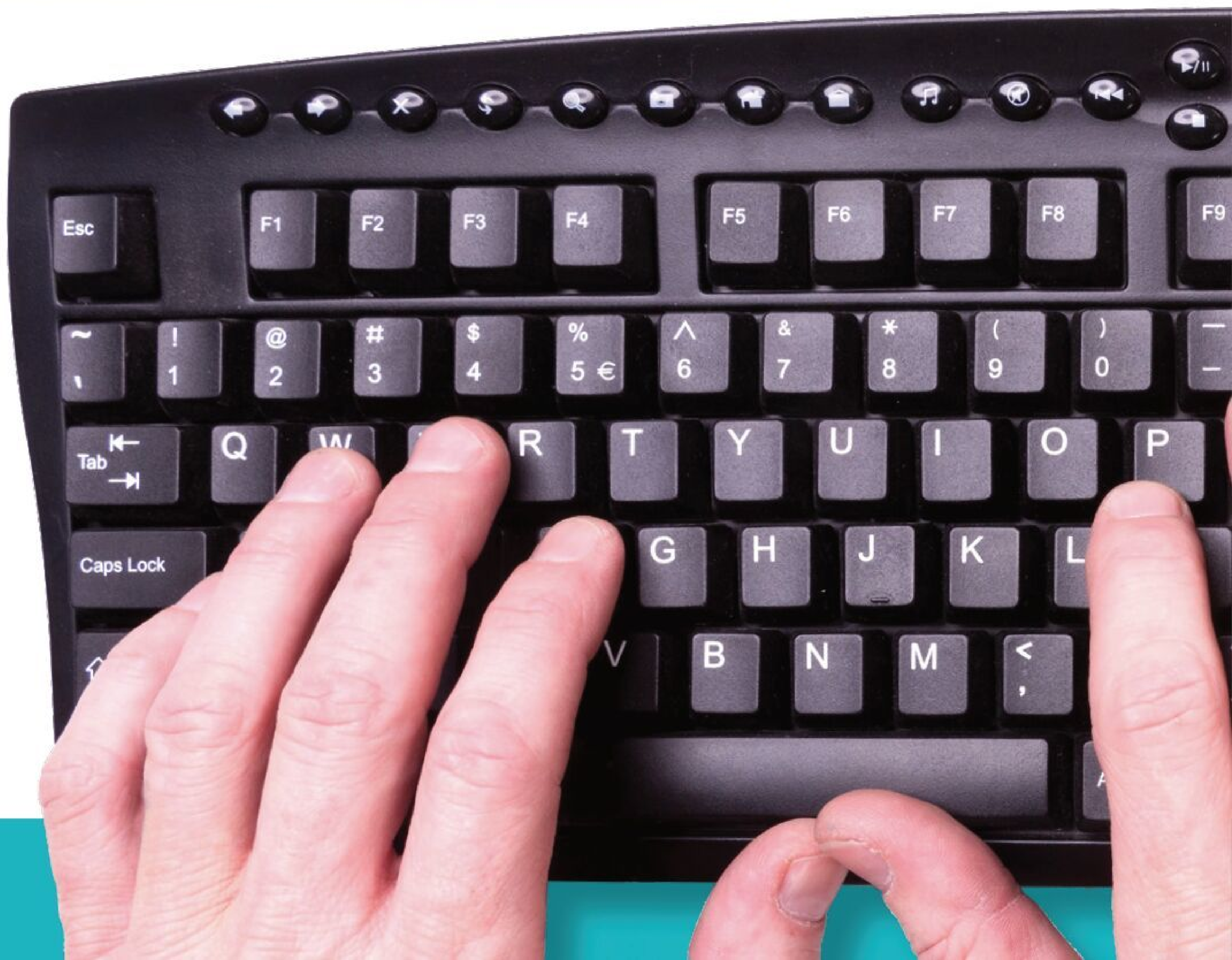
Taskbar Hotkeys

Shift + click a taskbar button : Open an app or quickly open another instance of an app
Ctrl + Shift + click a taskbar button : Open an app as an administrator
Shift + right-click a taskbar button : Show the window menu for the app
Shift + right-click a grouped taskbar button : Show the window menu for the group
Ctrl + click a grouped taskbar button : Cycle through the windows of the group

NEW WINDOWS HOTKEYS

Windows key + A : Open Action Center
Windows key + S : Open search
Windows key + C : Open Cortana in listening mode
Windows key + I : Opens the new Windows 10 Settings menu.
Windows key + X : Opens a system context menu.
Windows key + H : Open the Share charm
Windows key + T : Cycle through apps on the taskbar
Windows logo key + comma : Peek at the desktop
Windows key + Tab : Open Task View
Windows key + Ctrl + D : Add a virtual desktop
Windows key + Ctrl + Right Arrow : Switch to virtual desktop on the right
Windows key + Ctrl + Left Arrow : Switch to virtual desktop on the left
Windows key + Ctrl + F4 : Close the virtual desktop you're using





File Explorer Shortcuts

File Explorer is your main interface for organising the files you store on your PC. Here are some useful shortcuts to speed up operations.

Alt + D : Selects the address bar
Ctrl + E and Ctrl + F : Select the search box
Ctrl + N : Open a new window
Ctrl + W : Close the current window
Ctrl + mouse scroll wheel : Toggles through folder size and layout options
Ctrl + Shift + E : Display all the folders above the selected folder
Ctrl + Shift + N : Create a new folder
Num Lock + asterisk (*) : Display all sub-folders under the selected folder
Num Lock + plus (+) : Display the contents of the selected folder
Num Lock + minus (-) : Collapse the selected folder
Alt + P : Display the preview pane
Alt + Enter : Opens the Properties dialogue box
Alt + Right arrow : View the next folder
Alt + Up arrow : View the folder in which the current folder is contained
Alt + Left arrow or Backspace : View the previous folder
Right arrow : Display the current or select the first sub-folder
Left arrow : Collapse the current selection or select the folder it was in
End key : Display the bottom of the active window
Home key : Display the top of the active window
F11 : Maximise or minimise the active window

F10
F11
F12
Print Screen SysRq
Scroll Lock
Pause Break
Num
Caps
Scroll
Insert
Home
Num Lock
Num Lock
/
*
–
Delete
End
Page Down
7 Home
8
9 Pg Up
+
4
5
6
1 End
2
3 Pg Dn
Enter
0 Ins
. Del

DESKTOP HOTKEYS

Windows key + Home : Minimise all but the active desktop window
Windows key + Shift+Up arrow : Stretch the desktop window to the top and bottom of the screen
Windows key + Shift+Down arrow : Restore desktop windows vertically, maintaining width
Windows key + Shift + L arrow or R arrow : Move window from one monitor to another
Windows key + Spacebar : Switch input language and keyboard layout
Windows key + Ctrl + Spacebar : Change to a previously selected input
Windows key + Enter : Open Narrator
Windows key + forward slash : Initiate IME reconversion
Windows key + plus or minus : Zoom in or out using Magnifier
Windows key + Esc : Exit Magnifier

Dialog Box Shortcuts

Sometimes you may need to open and use a Windows dialog box when you don't have access to the mouse or trackpad. For these times there are keyboard shortcuts to help.

Ctrl + Tab : Move to the right through tabs
Ctrl + Shift + Tab : Move to the left through tabs
Ctrl + number (1-9) : Move to the corresponding tab
Tab : Move forward through the dialogue options
Shift + Tab : Move backwards through the options
Alt + underlined letter : Perform the command corresponding to that letter
Spacebar : Select or clear a checkbox Arrow keys: Select a button

Cortana Hotkeys

Windows Key + Q: Open up Cortana ready for voice input.
Windows Key + S: Open up Cortana ready for typed input.
Windows Key + I: Open up the Windows 10 settings pane.
Windows Key + A: Open up Windows 10 notifications (Action Center).
Windows Key + X: Open the Start button context menu (the one with easy access to Command Prompt, etc.)

Display Hotkeys

Windows Key + PrtScr: Take a screenshot saved to your Pictures folder.
Windows Key + G: Open the Game DVR recorder (if supported by your graphics card).
Windows Key + Alt+G: Start recording activity in the current window.
Windows Key + Alt+R: Stop recording in the Game DVR.
Windows Key + P: Switch between display modes (with a secondary display connected).
Windows Key + plus: Zoom in using the Magnifier utility.
Windows Key + minus: Zoom out using the Magnifier utility.

Windows 10 Security and Maintenance Guides

Learn how to keep your Windows 10 PC running smoothly and safe from malware and viruses. Master Windows 10 security and maintenance, including privacy settings, ease of access, folder and file manipulation and online safety. These guides will explain the workings of the OS and show you how to get started with key features.

Windows 10 Security

Microsoft is often accused of developing insecure and 'broken' operating systems. However, what the Redmond company delivers is an easy to use system that's as secure as it can be without compromising its use. It's a difficult balance to maintain and security can suffer in the long run.

Security leaks, holes and flaws in development code appear all the time, for every operating system. Windows 10 has the bad luck of being at the top of the security flaw news pile. However, here are ten reasons why it's actually a secure OS to use.

> *"Windows 10 Security Improvements"*

Windows Defender Security Centre

Your device is being protected.

Last threat scan: 5/23/2017
Last threat definition update: 5/27/2017
Last health scan: 5/28/2017

Virus & threat protection
No action needed.

Device performance & health
No action needed.

Firewall & network protection
Windows Firewall is on.

App & browser control
You're using the recommended settings.

Family options
Manage how your family uses their devices.

Virtualisation-based Security

VBS is an improvement to the core Windows security, it stands for Virtualisation-based Security and uses a mixture of hardware and software enforced developments to create an isolated, hypervisor restricted subsystem for securing the OS core data. Nothing unsigned by Microsoft is allowed to be injected into the kernel or executed.

Secure Booting

Secure Booting utilises the new UEFI (Unified Extensible Firmware Interface), the replacement for the older and more vulnerable BIOS, along with Windows Trusted Boot code integrity and ELAM (Early Launch Anti-Malware) capabilities, to protect the computer as soon as you power it up.

Windows Hello

Windows Hello may seem like a glamorous feature rather than a security feature but it's really quite an impressive layer of protection. Hello supports passwordless biometric authentication methods, such as iris, facial and fingerprint, together with a PIN code to help protect access to Windows 10.

Microsoft Passport

Windows 10 uses the Microsoft Passport single sign on solution that supports the open FIDO Alliance security authentication standard (www.fidoalliance.org) and utilises cryptographic keys to secure access to network and local resources.

Trusted Platform Module

If your computer has a TPM chip (Trusted Platform Module), Windows 10 can utilise the hardware cryptographic key therein to link Passport and Windows Hello to authenticate the user and operating system with local, network and Internet resources.

Credential Guard

Windows 10 Credential Guard protects the user details and Windows authentication keys within the VBS layer. This isolates the authentication service against network and local attacks, stopping keyloggers and other worms from gaining your login details.

Device Guard

Windows 10 has introduced Device Guard, a highly secure tool that determines which programs and scripts should be allowed to run on the computer. It utilises the VBS layer to protect the core system files and with a list of what's allowed and not allowed to run it can prevent most malicious content from being executed on your system.

Rolling Upgrade

Windows 10's unique method of upgrades now ensures that the latest versions to software, tools and applications are continually upgraded on the computer. The new rolling upgrade process has been widely criticised by many, as there's no opt-out for upgrades available. On the flip side, you're always up to date.

Windows Defender Security Centre

Windows Defender Security Centre is significantly improved over previous versions of the software. The new Fall Creators Edition version offers virus, ransomware and threat protection, device health, firewall protection, app and browser control and family options all under the one roof.

Protection Features

Among the aforementioned security elements, Windows 10 offers User Account Control, Kerberos Armouring, Smartscreen, TPM Key Attestation, Advanced Auditing Settings, Mandatory Integrity Controls, Virtual Smartcards, EMET enabled protection and many more impressive protection features.

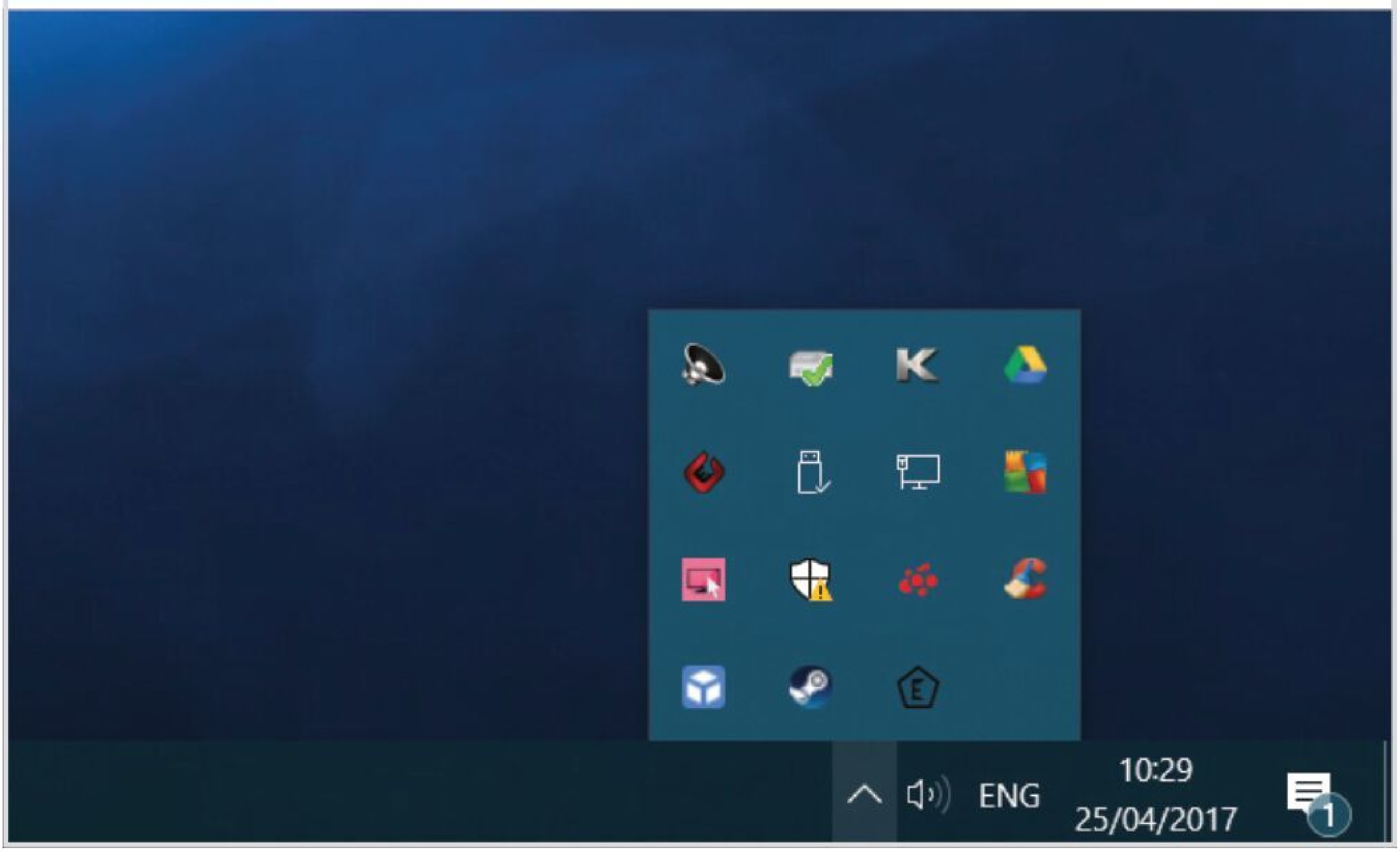
Protect Your PC with Windows Defender

Thanks to a fairly recent update, Windows Defender, the preinstalled security tool for Windows 10, is better than ever. Defender now includes cloud-based protection and automatic analysis of suspicious software or files. You can even run a powerful offline scan that can pick up nasties that a normal scan may not.

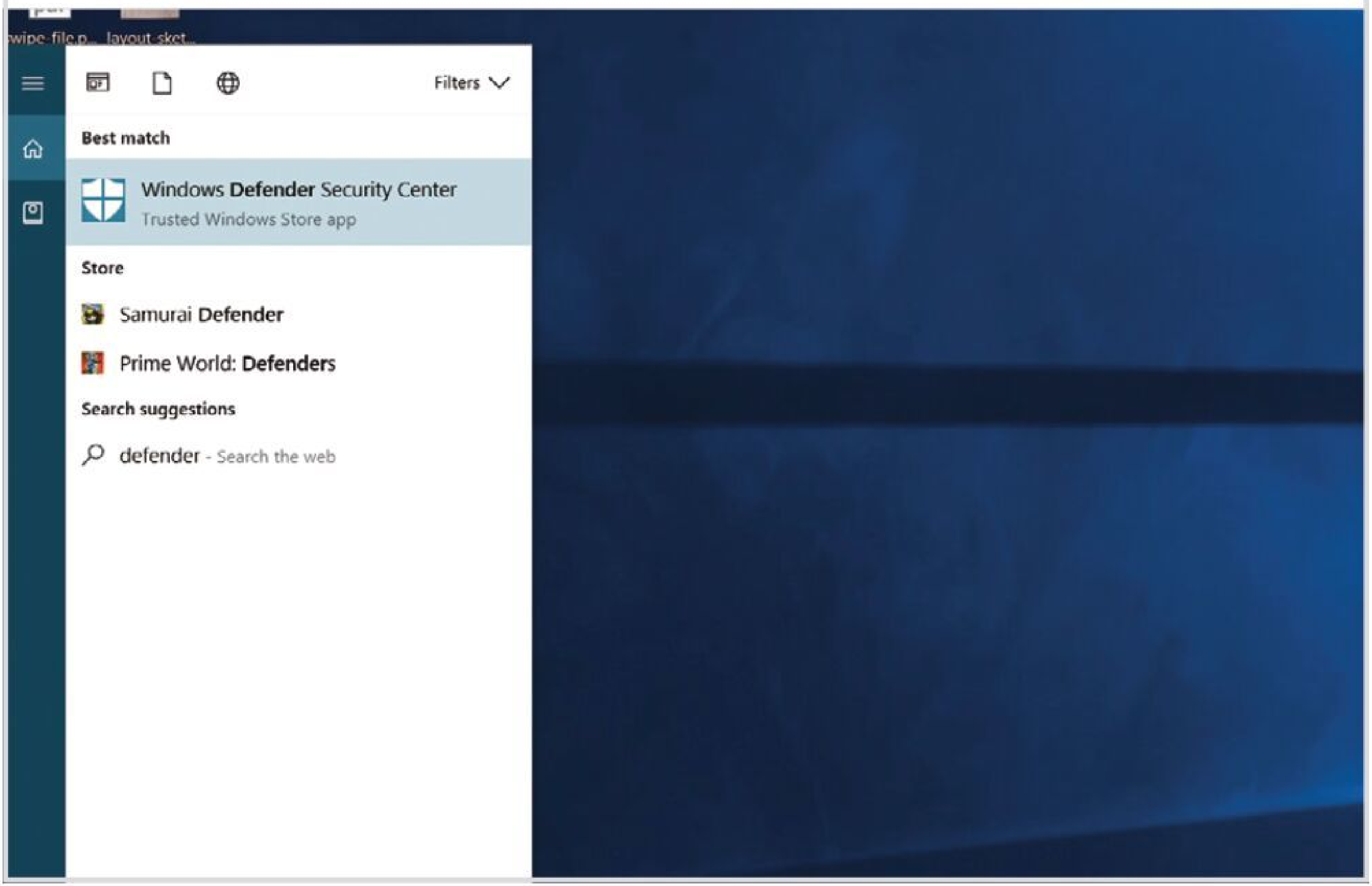
Set Up Defender

By default, Windows Defender should already by running but if you are using a PC that has had anti-virus software on in the past, parts of it may have been disabled.

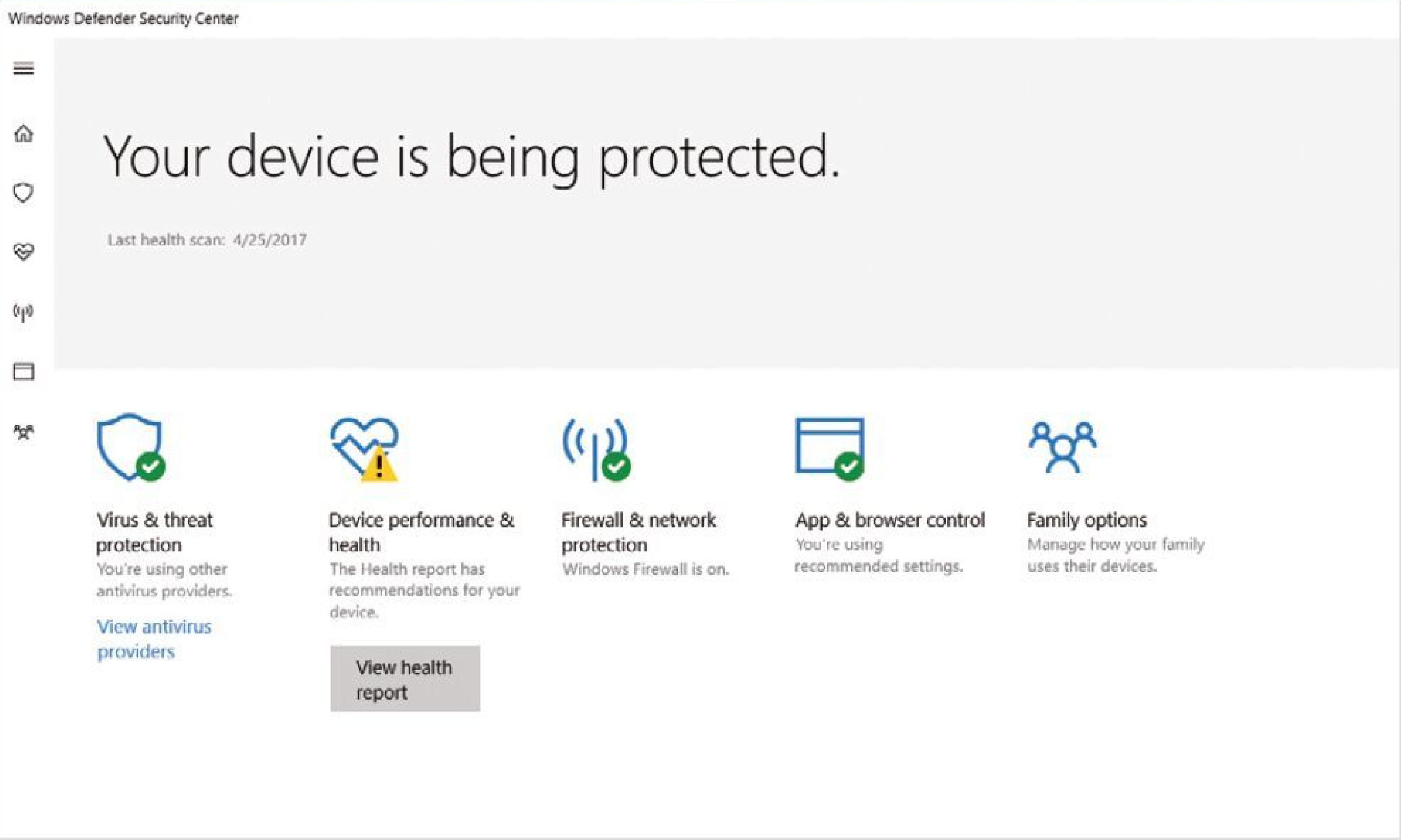
1 The first thing to do is check that Defender is already running. You can quickly check this by clicking on 'Show hidden icons' (the small arrow button) at the right hand end of the taskbar. If you see the Defender shield logo, you are protected. At least, you are protected partially.


ENG
10:29
25/04/2017
1

2 Now it's time to check out the Defender settings and features. You can right-click on the icon in the hidden icons pop-up, and then click Open. You can also, in the search box on the taskbar, type Defender and then select Windows Defender from the list of results.


swipe file.p... layout sket...
Filters
Best match
Windows Defender Security Center
Trusted Windows Store app
Store
Samurai Defender
Prime World: Defenders
Search suggestions
defender - Search the web

3 Since the Creators update of April '17, Defender is much more in keeping, design-wise, with the rest of the Windows 10 interface, although it still opens in a separate window. The Defender Security Center is split into several sections, including anti-virus, firewall and device performance.


Windows Defender Security Center

Your device is being protected.

Last health scan: 4/25/2017

Virus & threat protection
You're using other antivirus providers.

Device performance & health
The Health report has recommendations for your device.

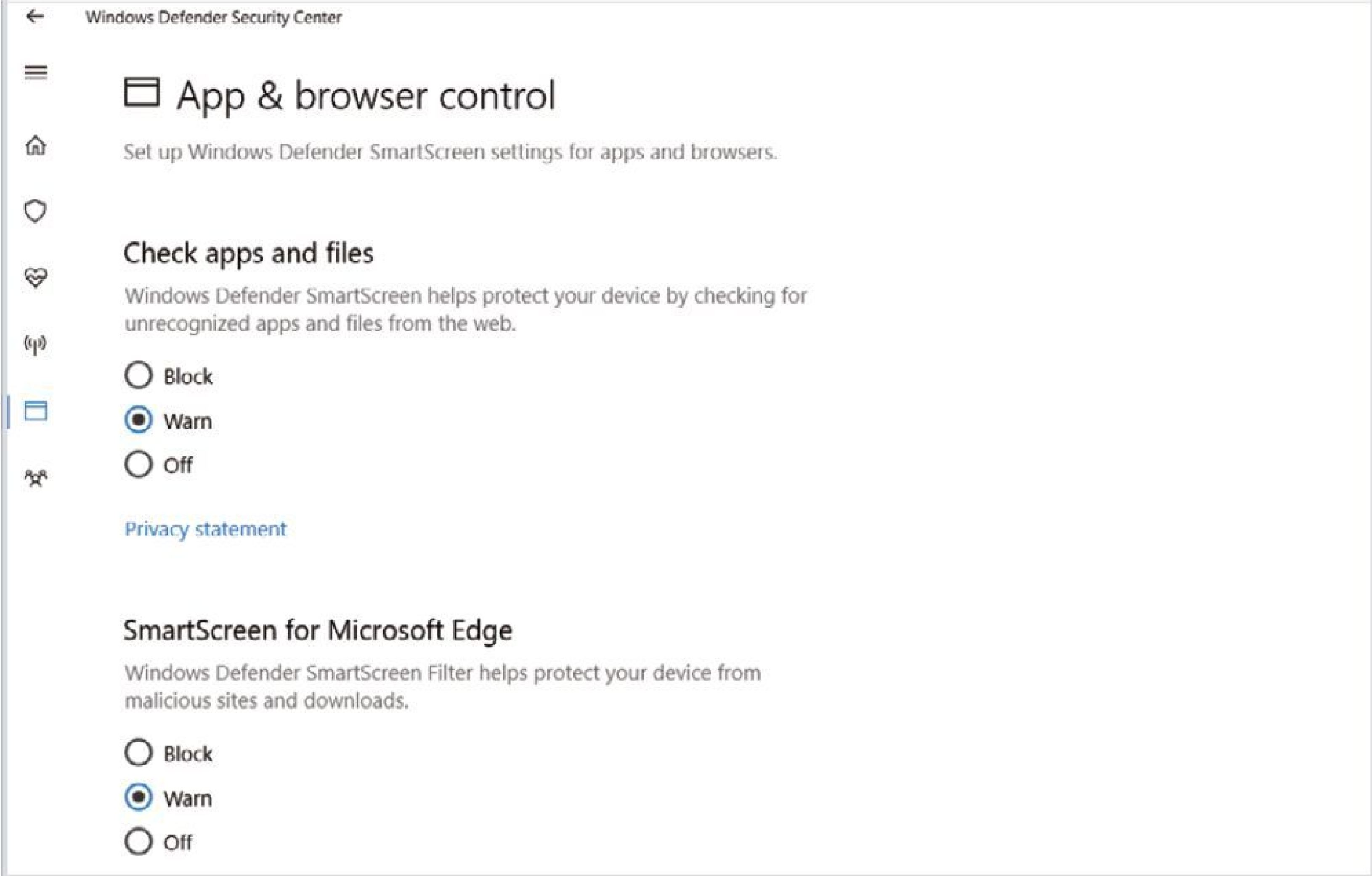
Firewall & network protection
Windows Firewall is on.

App & browser control
You're using recommended settings.

Family options
Manage how your family uses their devices.

View antivirus providers
View health report

4 Below each of the section icons, you can see basic info about that section, including whether it is currently enabled or not. Click on any of the section titles and you are able to see more information, along with any options available for that particular part of Defender.


Windows Defender Security Center

App & browser control

Set up Windows Defender SmartScreen settings for apps and browsers.

Check apps and files

Windows Defender SmartScreen helps protect your device by checking for unrecognized apps and files from the web.

○ Block
● Warn
○ Off

Privacy statement

SmartScreen for Microsoft Edge

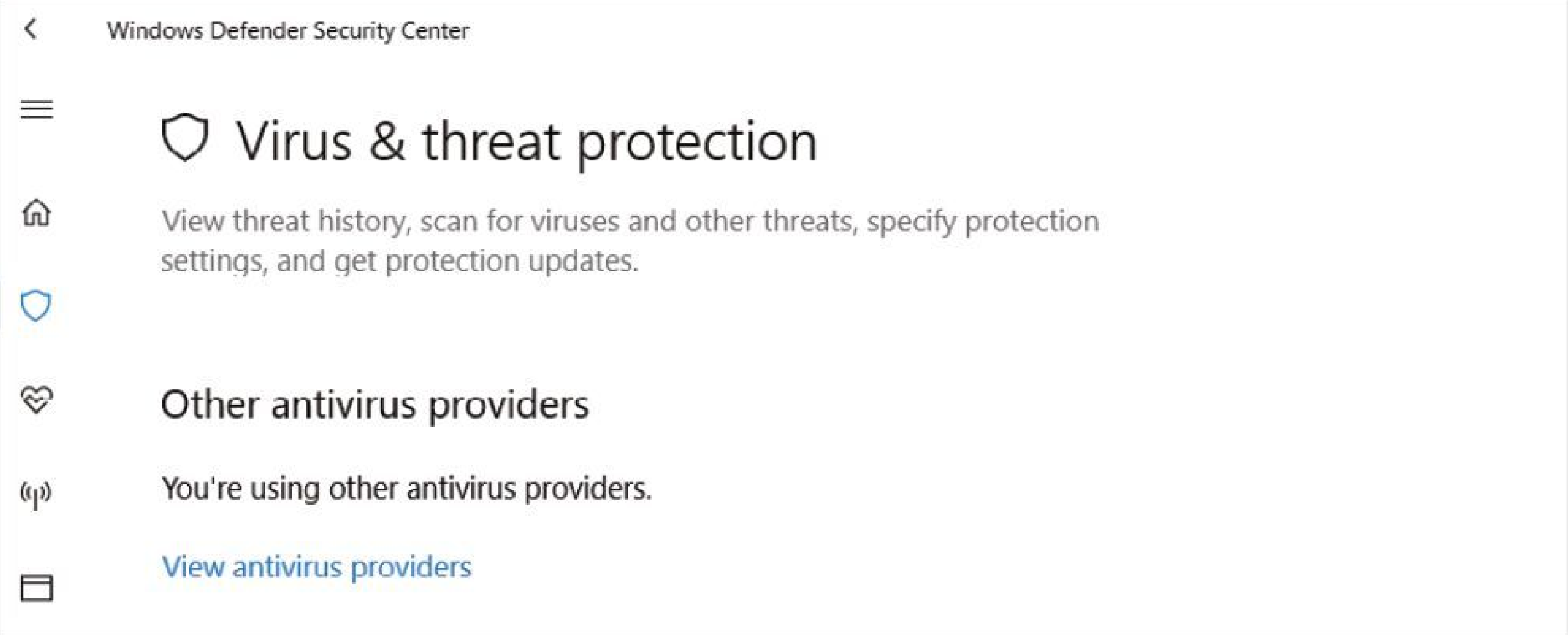
Windows Defender SmartScreen Filter helps protect your device from malicious sites and downloads.

○ Block
● Warn
○ Off

Running a Virus Scan

You can scan your PC for viruses in a couple of different ways with Windows Defender. Click the Virus & Threat Protection icon to get started.

1 If you are using a third-party antivirus program, such as Kaspersky or AVG, it will say so at the top of the window. If you want to check exactly which, click the link 'View antivirus providers'. This opens the Windows Control Panel. Click Security to open the panel and look for Virus Protection.


Windows Defender Security Center
Virus & threat protection

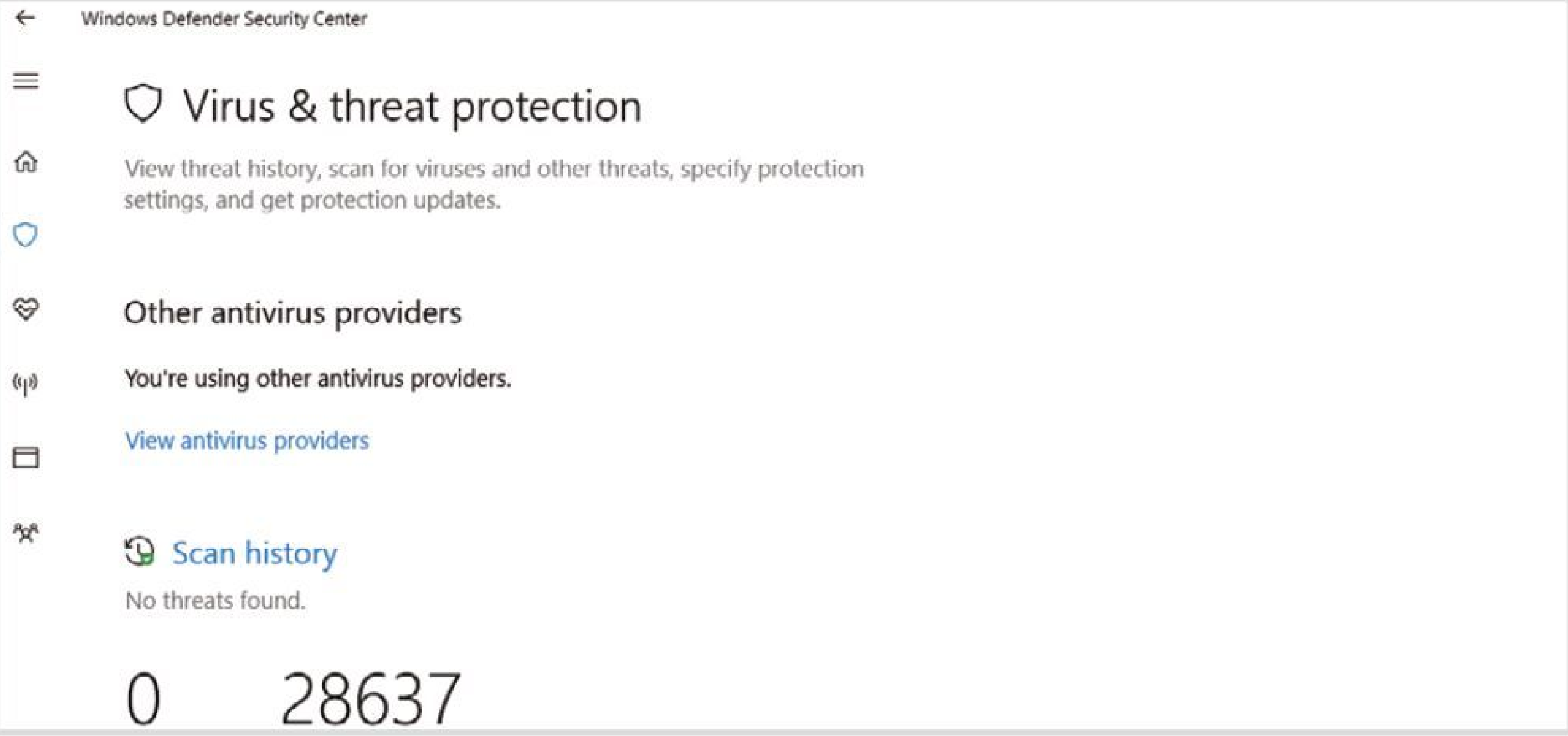
View threat history, scan for viruses and other threats, specify protection settings, and get protection updates.

Other antivirus providers

You're using other antivirus providers.

View antivirus providers

2 You can still use Defender to scan for viruses, with or without other anti-virus software present. Back in the Virus & Threat Protection window, click the Quick scan button to get started. A progress bar appears, along with some details of files scanned and time elapsed.


Windows Defender Security Center
Virus & threat protection

View threat history, scan for viruses and other threats, specify protection settings, and get protection updates.

Other antivirus providers

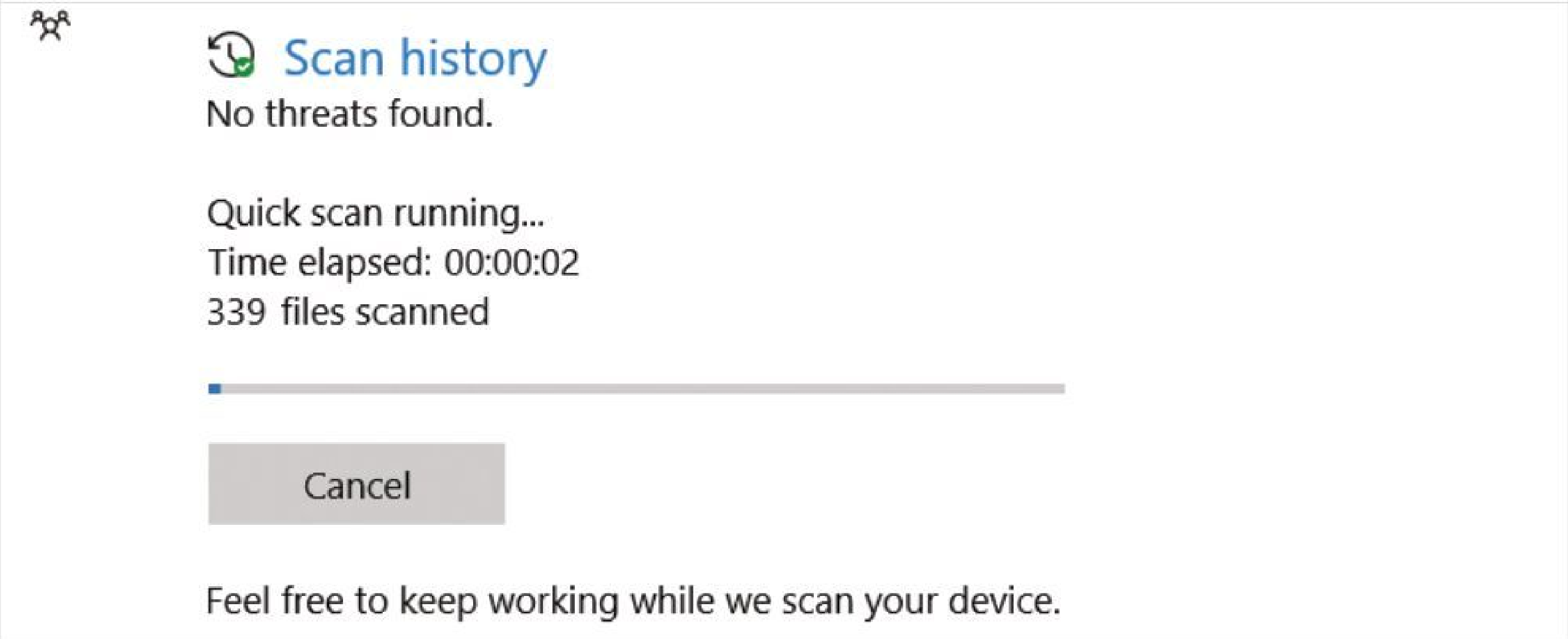
You're using other antivirus providers.

View antivirus providers
Scan history

No threats found.

0 28637

3 You can, if you are not sure the Quick scan is enough, perform an offline scan. This is a much deeper scan and certainly takes longer to perform. It is, however, much more likely to find some of the more devious viruses and other threats. Click Advanced scan and select offline scan > Scan now.


Scan history

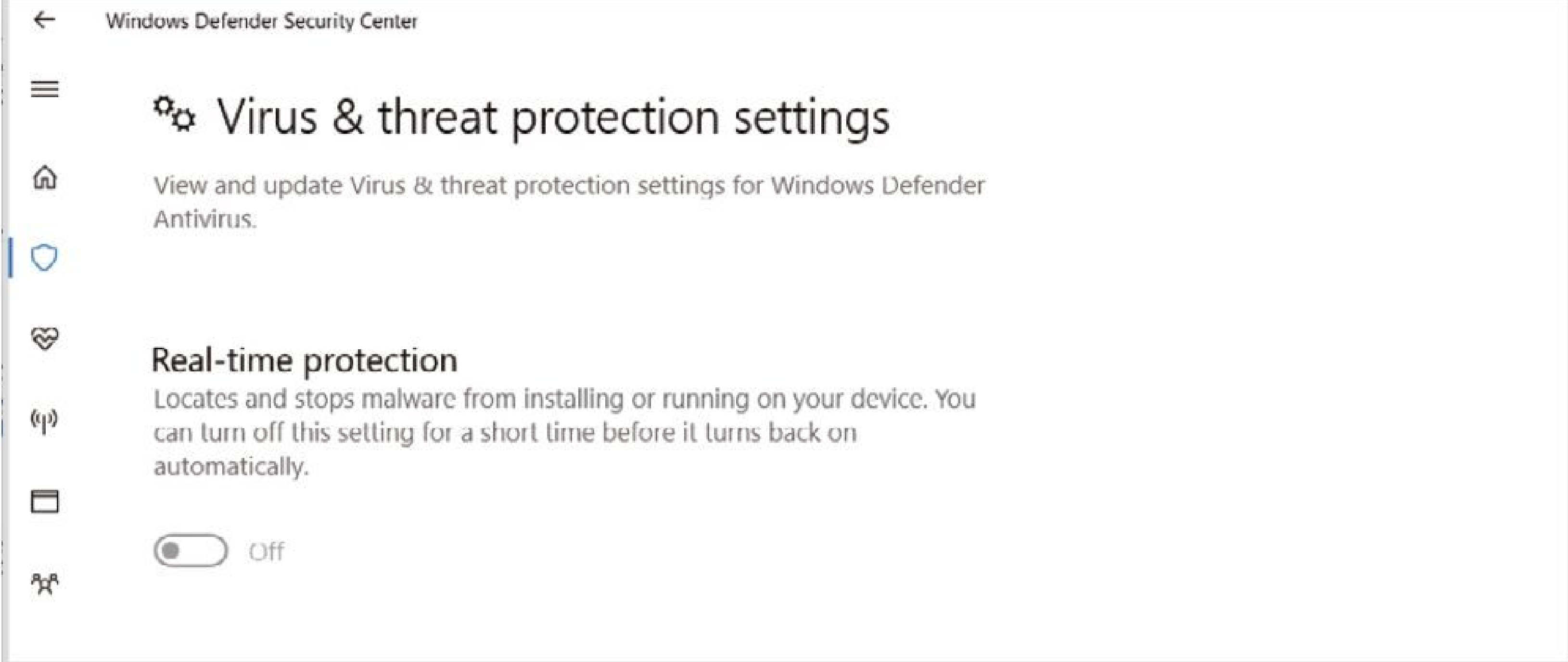
No threats found.

Quick scan running...
Time elapsed: 00:00:02
339 files scanned

Cancel

Feel free to keep working while we scan your device.

4 The other options here let you check for protection updates, as well as change the Virus & Threat protection settings; for example whether real-time protection is on. You can also choose files or software to exclude from scans and change the notification settings for Windows Defender.


Windows Defender Security Center
Virus & threat protection settings

View and update Virus & threat protection settings for Windows Defender Antivirus.

Real-time protection

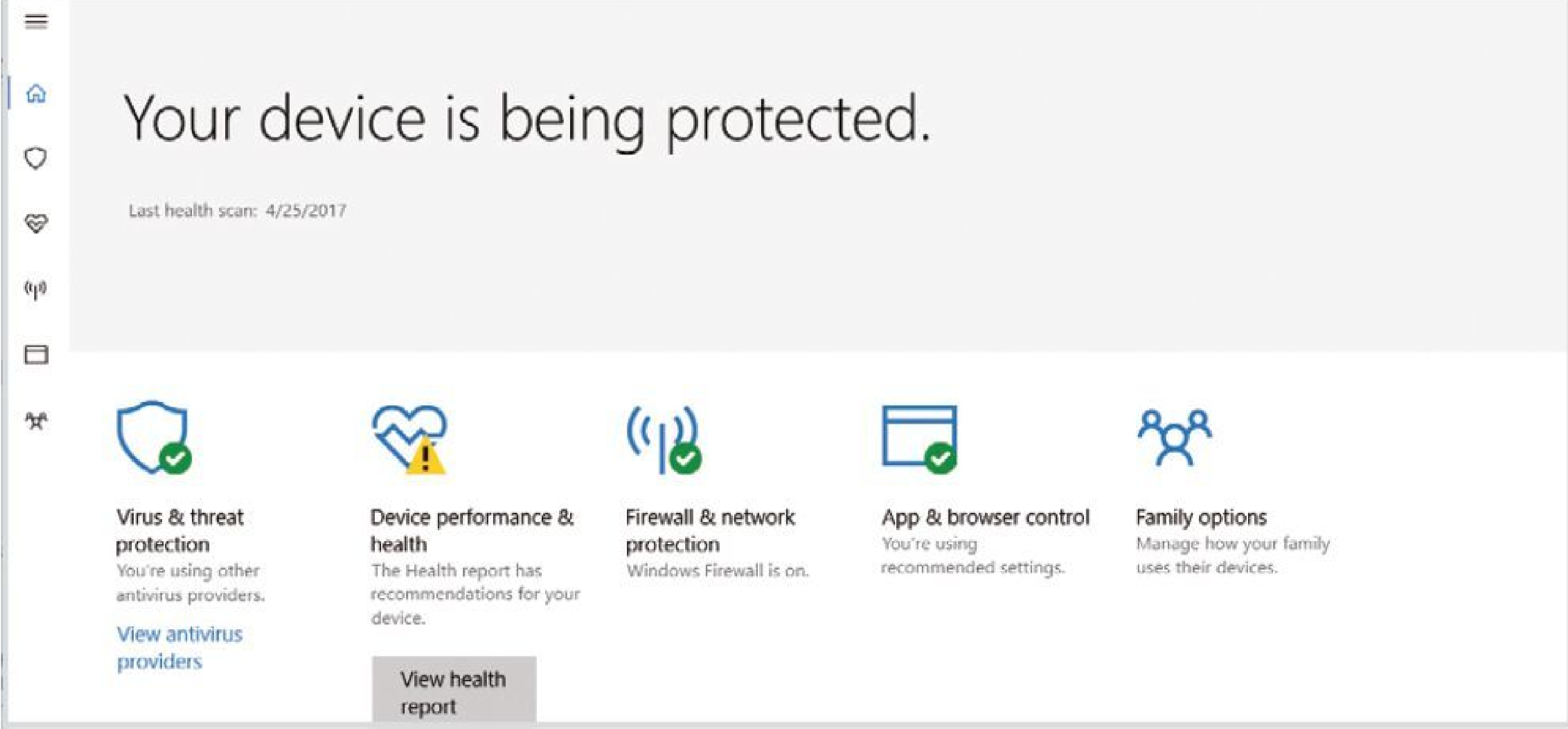
Locates and stops malware from installing or running on your device. You can turn off this setting for a short time before it turns back on automatically.

Off

Windows Firewall

A firewall is often the first defence against viruses and other Internet nasties, so make sure you at least use the one provided by Windows 10.

1 You should always run Windows Firewall even if you have another firewall turned on. Turning off Windows Firewall might make your device, and your network if you have one, more vulnerable to unauthorised access.



Your device is being protected.

Last health scan: 4/25/2017

Virus & threat protection

You're using other antivirus providers.

View antivirus providers
Device performance & health

The Health report has recommendations for your device.

View health report
Firewall & network protection

Windows Firewall is on.

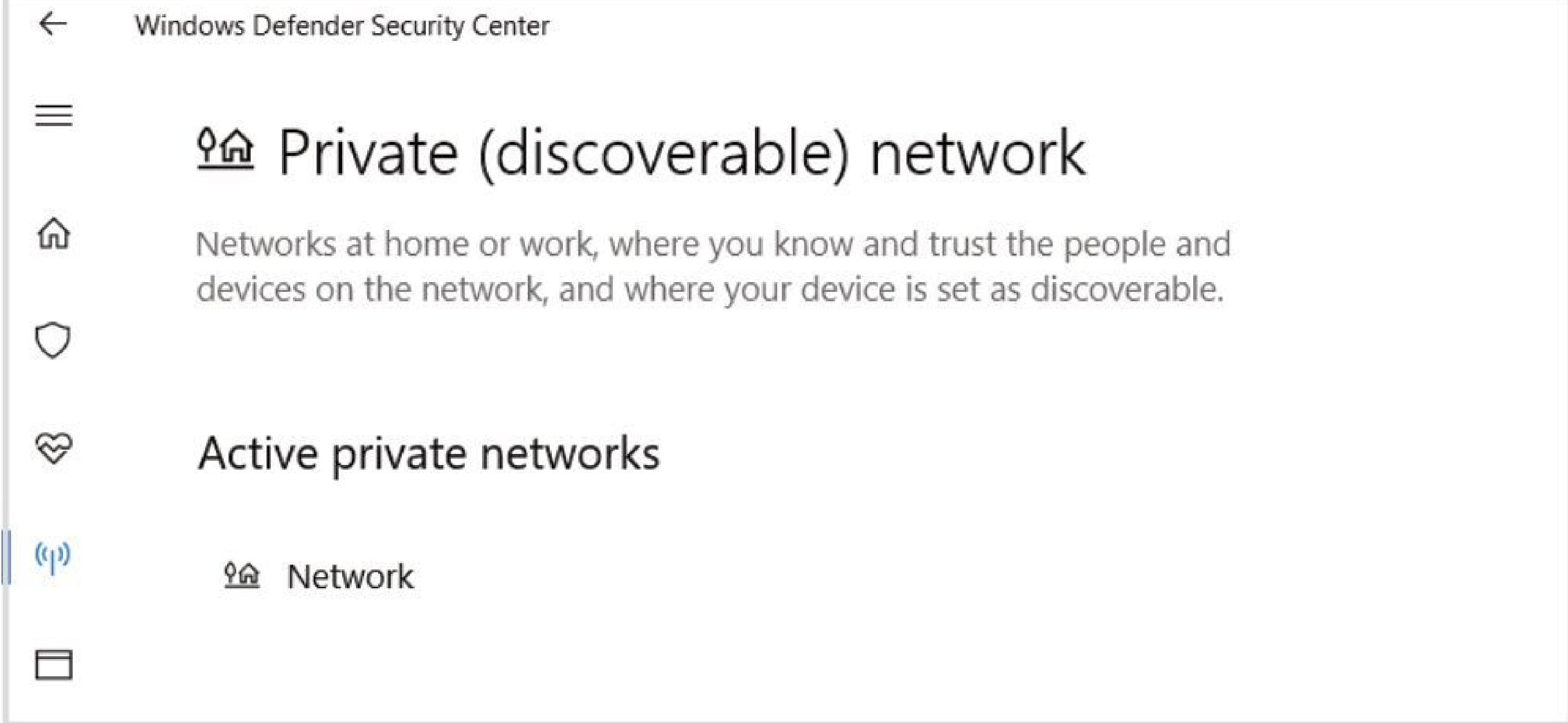
App & browser control

You're using recommended settings.

Family options

Manage how your family uses their devices.

2 To turn Windows Firewall on or off, select the Start button, open Windows Defender Security Center > Firewall & network protection, choose a network profile and then under Windows Firewall, turn it on or off.


Windows Defender Security Center
Private (discoverable) network

Networks at home or work, where you know and trust the people and devices on the network, and where your device is set as discoverable.

Active private networks

Network

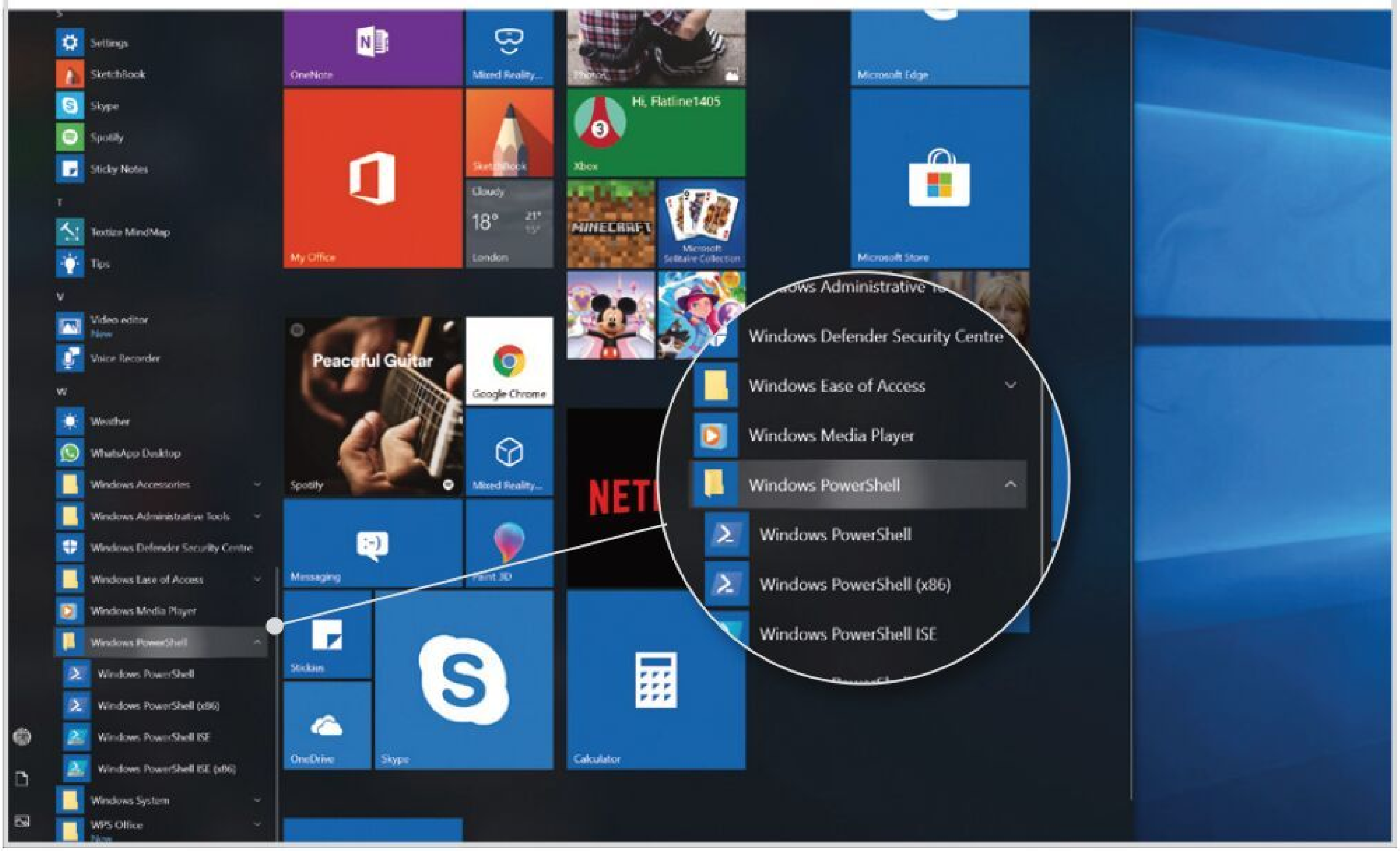
Blocking PUPs with Windows Defender

PUPs, Potentially Unwanted Programs, are bits of software that can sometimes be stealthily installed when you install other free software, usually by making it a default installation option with the choice to opt out. Windows Defender has the ability to block these sneaky software installs but it isn't enabled (or even visible) by default.

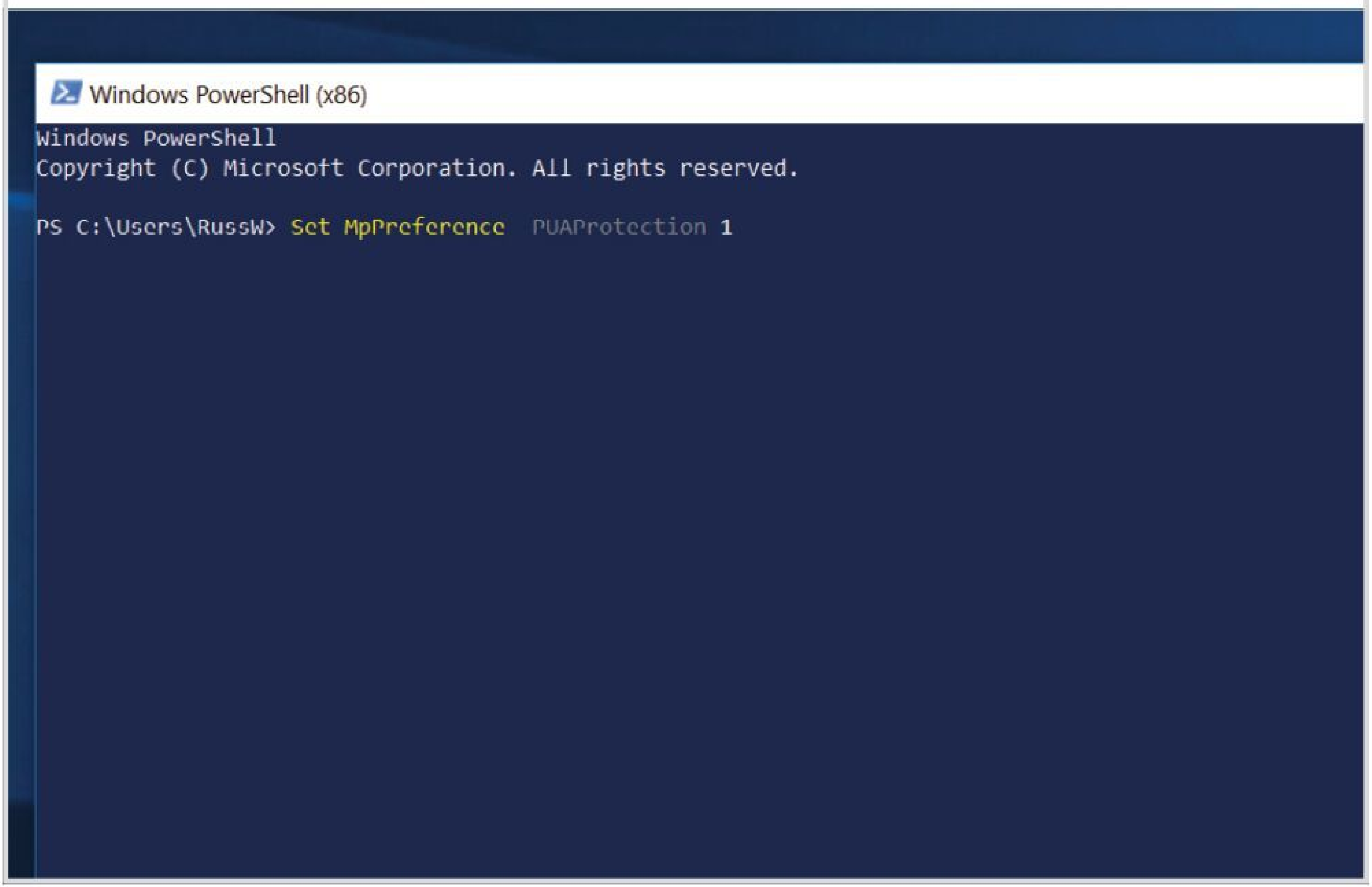
Enable PUP blocking

PUP's can include toolbars, browser extensions, adware and other unwanted software. In almost all cases, this software should be called DUPs (Definitely Unwanted Programs).

1 You can enable PUP protection with System Centre Config Manager, PowerShell or Microsoft Intune. For this guide, we'll be using the PowerShell, as this is available within Windows 10 without installing any additional software; as long as you follow the instructions carefully, it isn't as scary as it sounds.

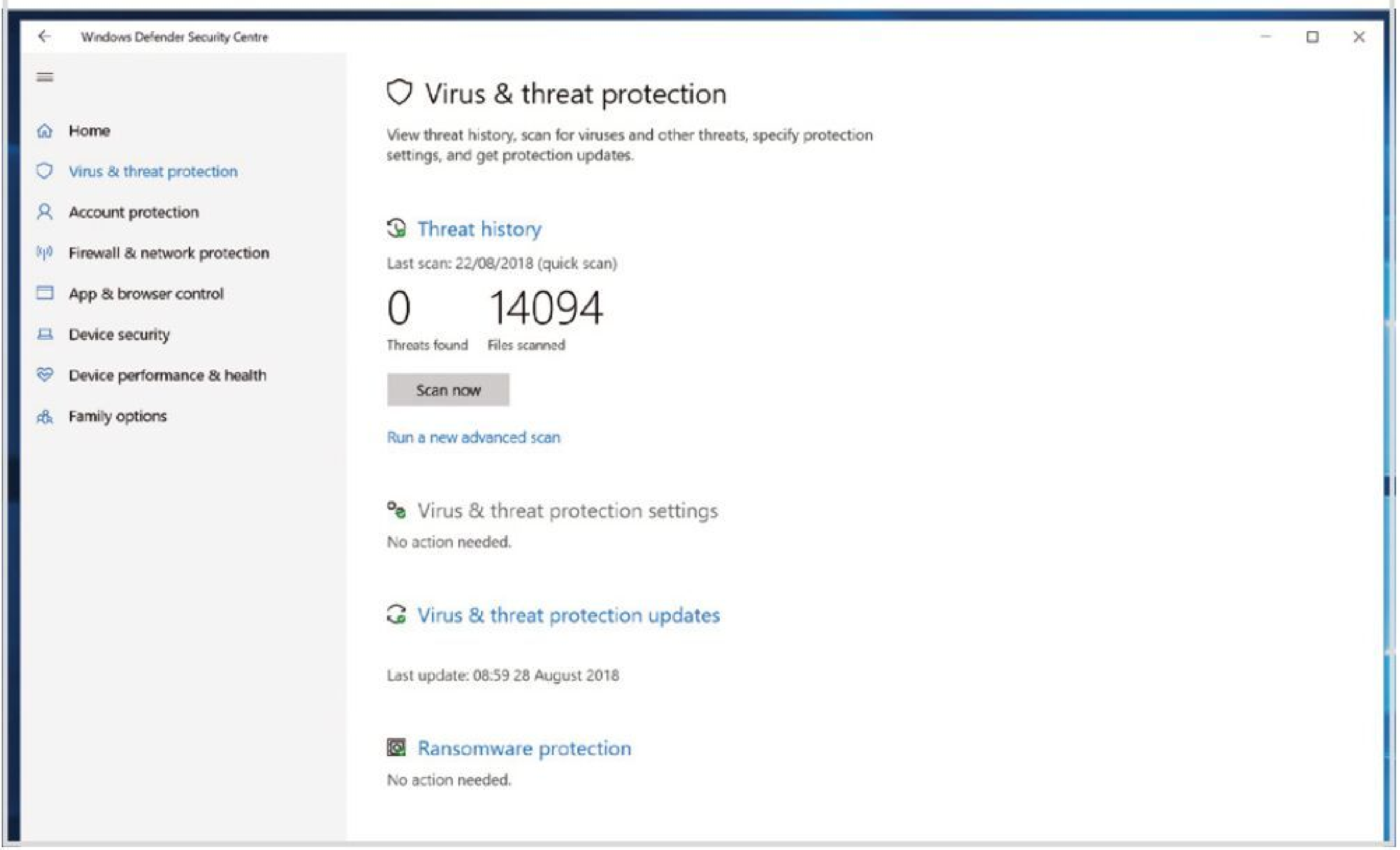

Windows Defender Security Centre
Windows Ease of Access
Windows Media Player
Windows PowerShell
Windows PowerShell
Windows PowerShell (x86)
Windows PowerShell ISE

2 To access the PowerShell interface, right-click the Start button or press Windows+X and click Windows PowerShell (Admin) to open a window. Type the following command at the prompt (without the quotation marks) "Set-MpPreference -PUPProtection 1" and press Enter.


Windows PowerShell (x86)

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\RussW> Set MpPreference  PUAProtection 1
```

3 The PUP blocker is now enabled on your PC. You will not see any new options displayed in Windows Defender but you will see "Potentially unwanted software" listed once something is blocked. If you want to disable it in the future, just run the above command again, replacing the 1 with a 0.


Windows Defender Security Centre
Home
Virus & threat protection
Account protection
Firewall & network protection
App & browser control
Device security
Device performance & health
Family options
Scan now
Run a new advanced scan

Virus & threat protection

View threat history, scan for viruses and other threats, specify protection settings, and get protection updates.

Threat history

Last scan: 22/08/2018 (quick scan)

0 Threats found

14094 Files scanned

Virus & threat protection settings

No action needed.

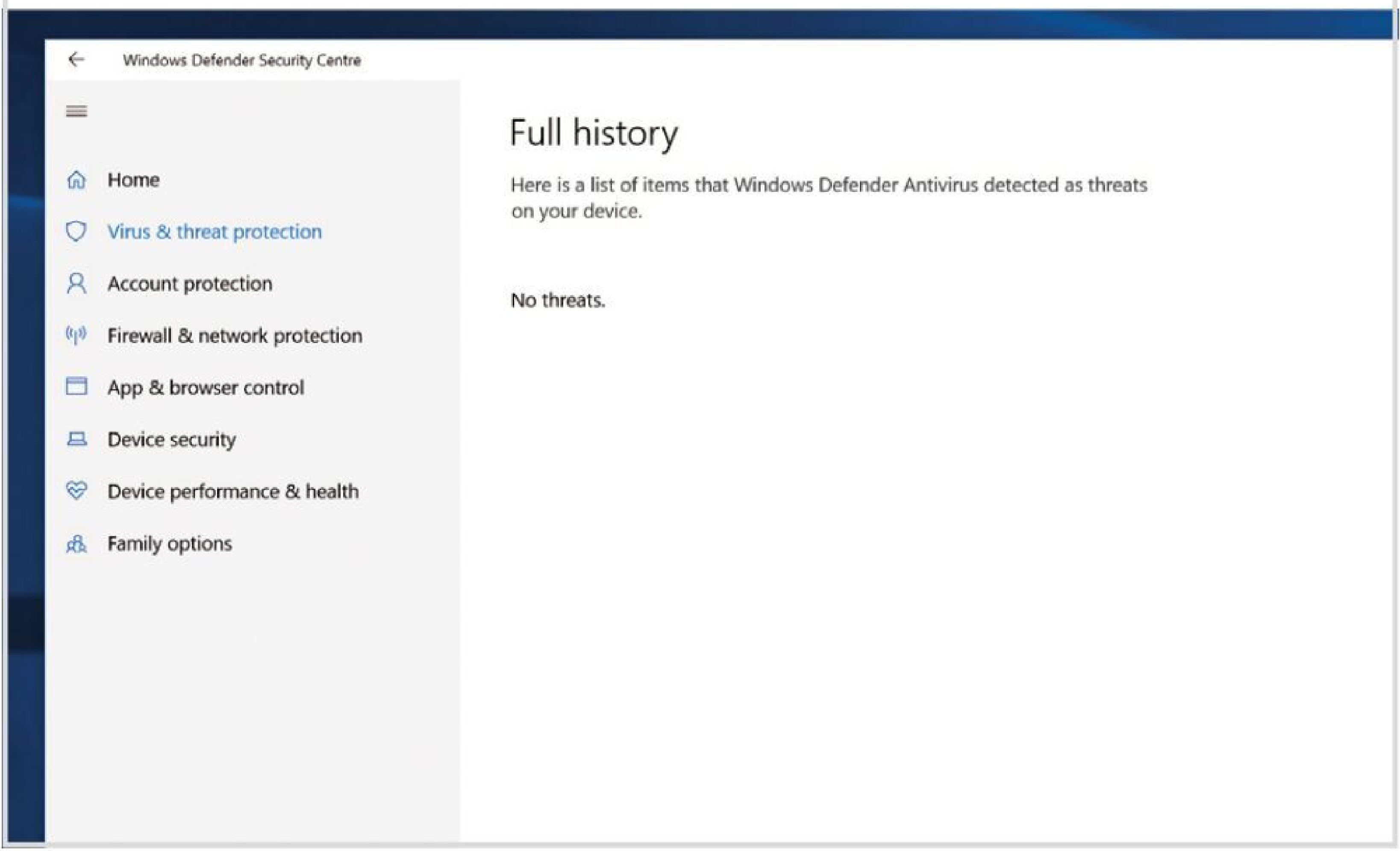
Virus & threat protection updates

Last update: 08:59 28 August 2018

Ransomware protection

No action needed.

4 PUPs are blocked when a user attempts to download or install a suspicious file or if the file meets one of these conditions: the file is being scanned from the browser, it is in a folder with "downloads" in the path; or it is in a folder with "temp" in the path. The file is placed in the quarantine section.


Windows Defender Security Centre
Home
Virus & threat protection
Account protection
Firewall & network protection
App & browser control
Device security
Device performance & health
Family options

Full history

Here is a list of items that Windows Defender Antivirus detected as threats on your device.

No threats.

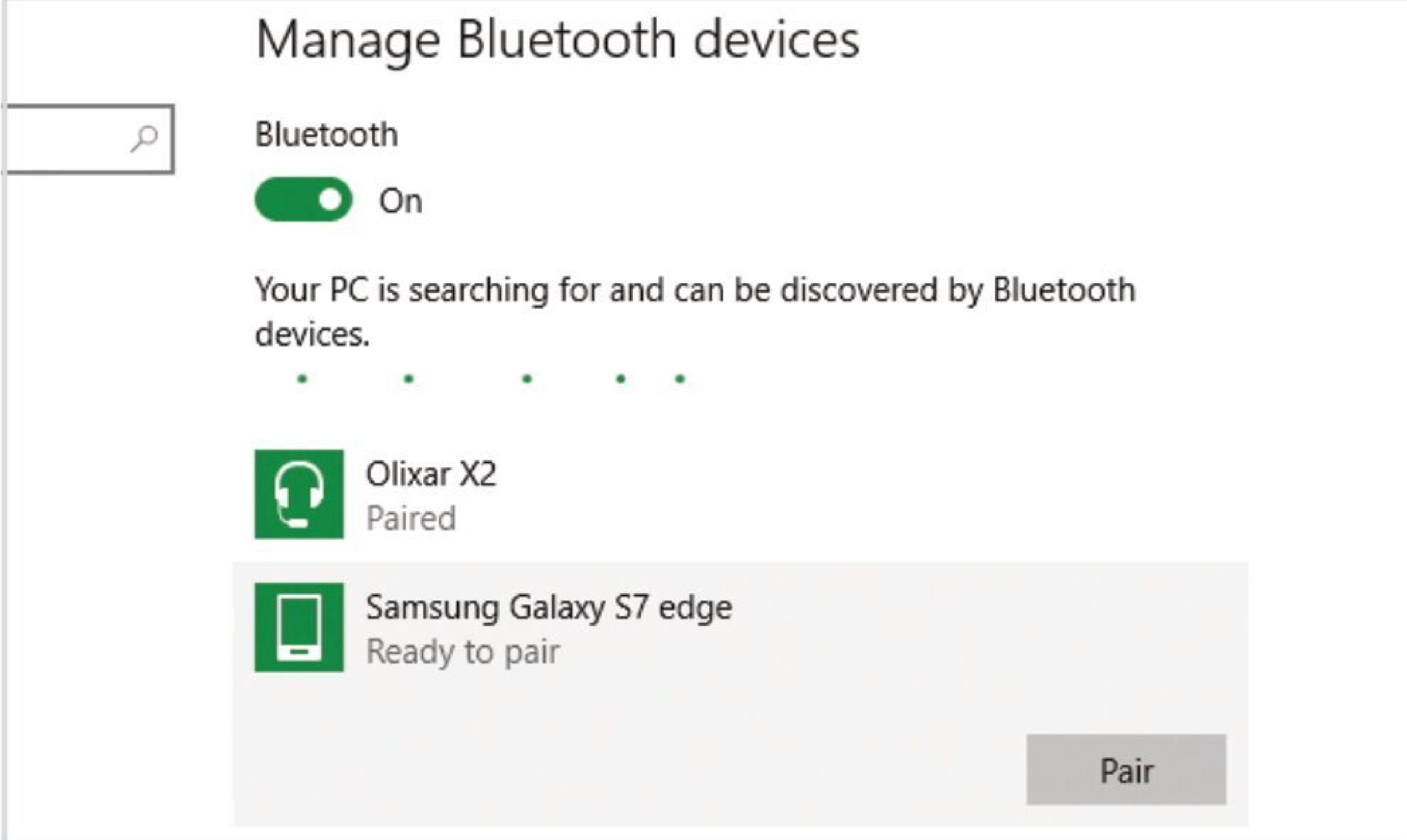
Using Windows 10 Dynamic Lock

The Creators update for Windows 10 introduces several new tools and features, including Dynamic Lock. This allows you to have more control over the security of your Windows device, with even less effort. It is designed to detect a trusted device nearby and lock and unlock the computer as it moves away or comes close.

Setting Up Dynamic Lock

Dynamic Lock works by sensing the proximity of a paired device, such as the smartphone you have in your pocket. In this example, the first thing we need to do is pair with our phone. Pairing with other Bluetooth devices will be almost exactly the same as shown here.

1 Dynamic Lock will only work if your PC has Bluetooth connectivity. This usually means a laptop, which makes sense as these more portable devices are more in need of security measures. Open Settings > Devices > Bluetooth & Other devices. Turn Bluetooth on using the slider switch and do this on your phone as well.



Manage Bluetooth devices

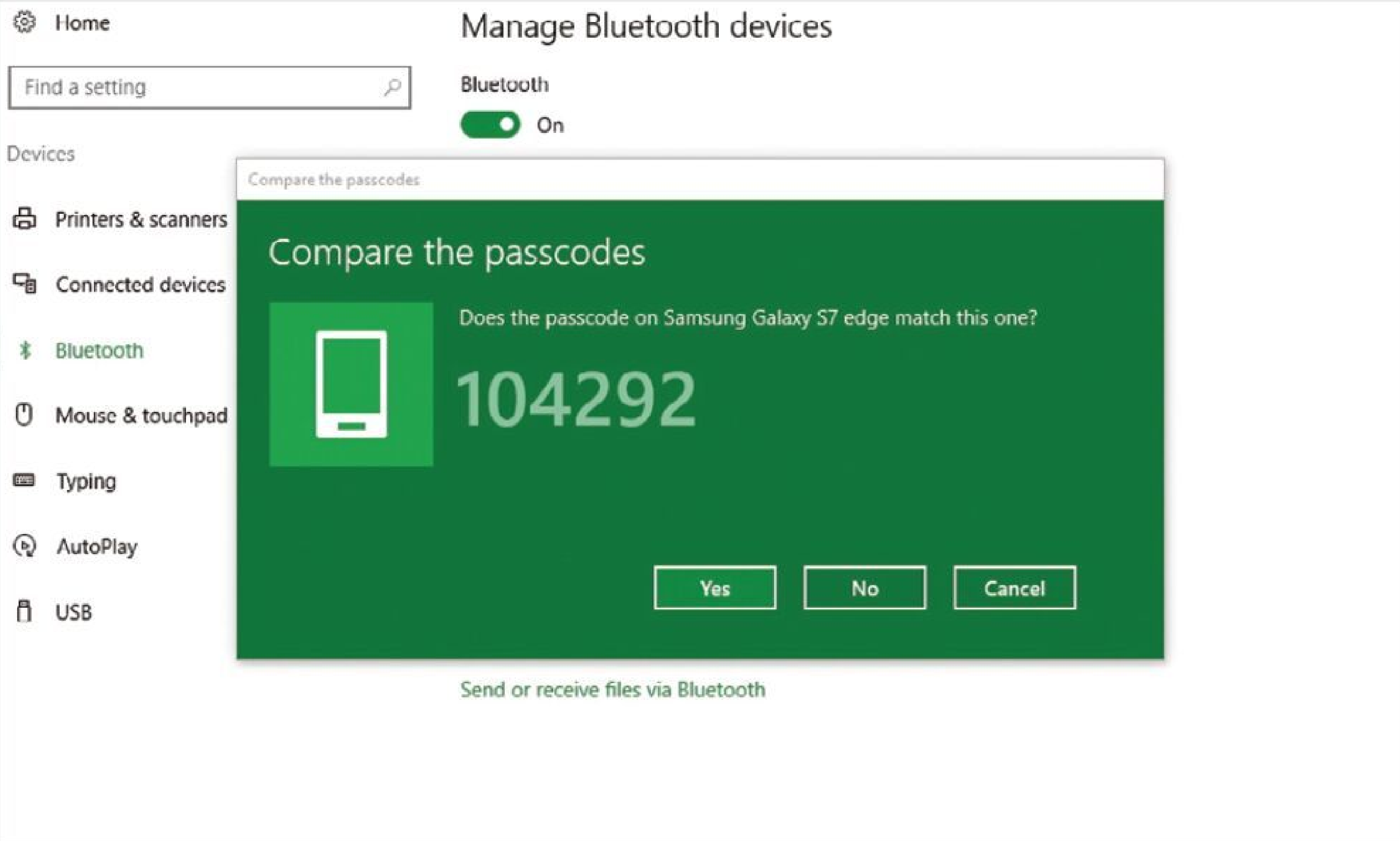
Bluetooth: On

Your PC is searching for and can be discovered by Bluetooth devices.

Olixar X2 – Paired

Samsung Galaxy S7 edge – Ready to pair

2 Once you see the phone listed under available devices, select it and pair to it. If you can't see your device listed, you may need to update your USB drivers for your PC: look for Bluetooth USB Module in Device Manager. Once paired successfully, you are ready to begin setting up and using Dynamic lock.



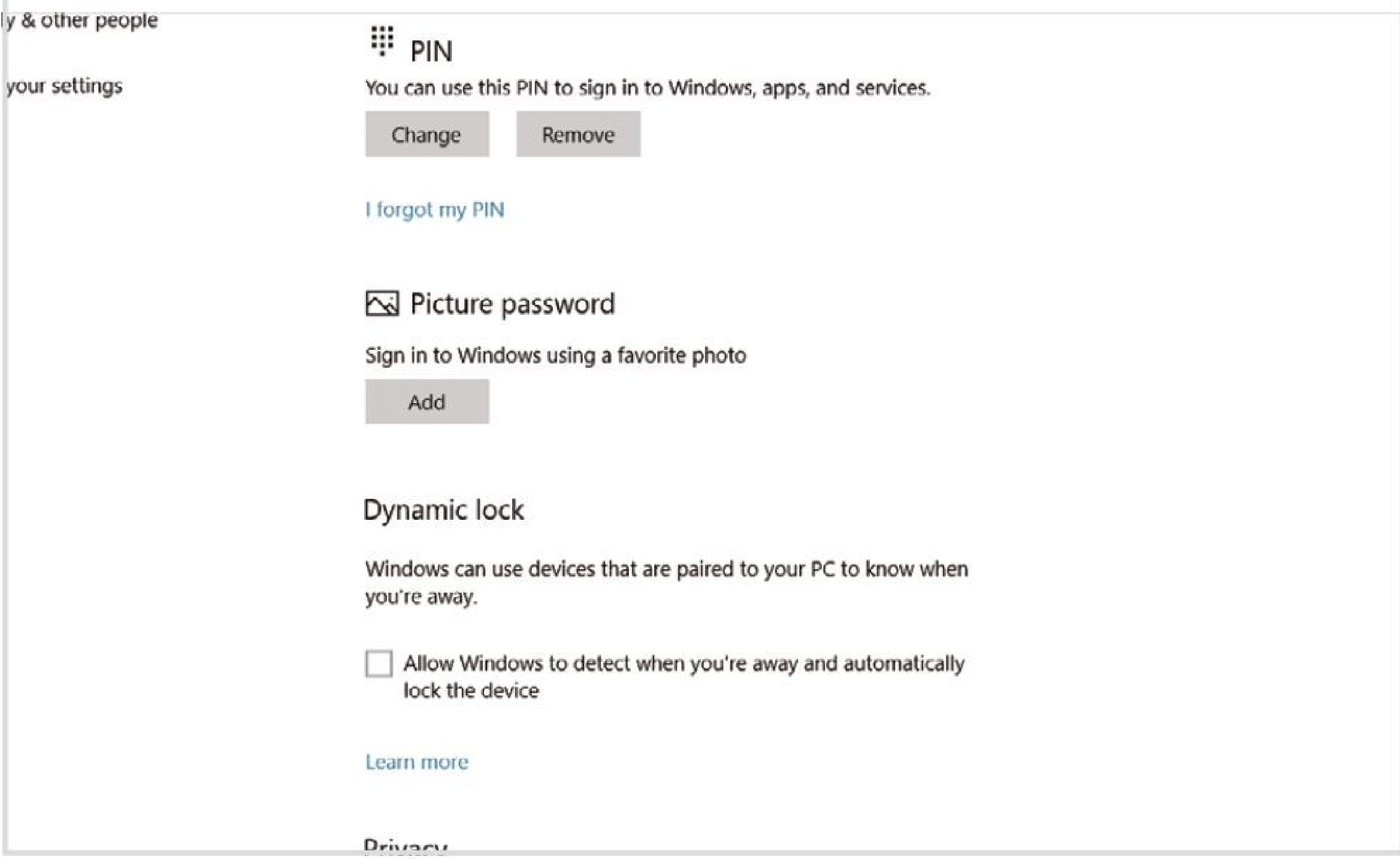
Home
Find a setting
Devices
Printers & scanners
Connected devices
Bluetooth
Mouse & touchpad
Typing
AutoPlay
USB
Manage Bluetooth devices
Bluetooth
On
Compare the passcodes
Yes
No
Cancel
Send or receive files via Bluetooth

Compare the passcodes

Does the passcode on Samsung Galaxy S7 edge match this one?

104292

3 Go to Settings > Accounts > Sign-in Options and scroll down to see the Dynamic Lock section. Check the box that says 'Allow Windows to detect when you are away and automatically lock the device'. Hopefully, assuming Bluetooth is working, that is all you need to do to start using the feature.



y & other people
your settings
PIN
Change
Remove
I forgot my PIN
Picture password
Add
Dynamic lock
Learn more
Privacy

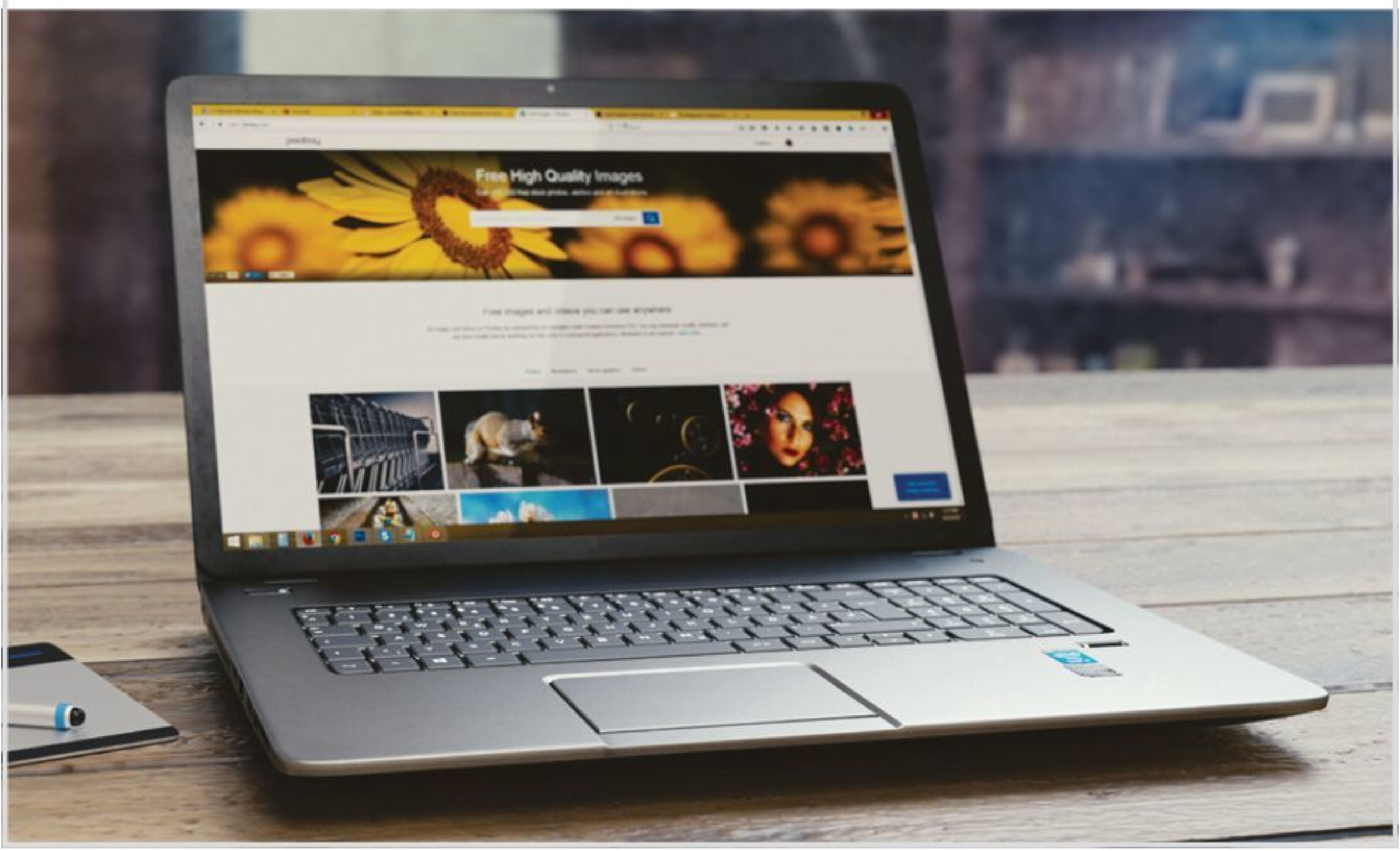
You can use this PIN to sign in to Windows, apps, and services.

Sign in to Windows using a favorite photo

Windows can use devices that are paired to your PC to know when you're away.

☐ Allow Windows to detect when you're away and automatically lock the device

4 Dynamic Lock does have some limitations at the moment, although these might be ironed out. The lock will not kick in until 30 seconds after it detects the Bluetooth signal has moved away, and if someone jumps on your computer within that time and starts to use it, it doesn't activate at all.



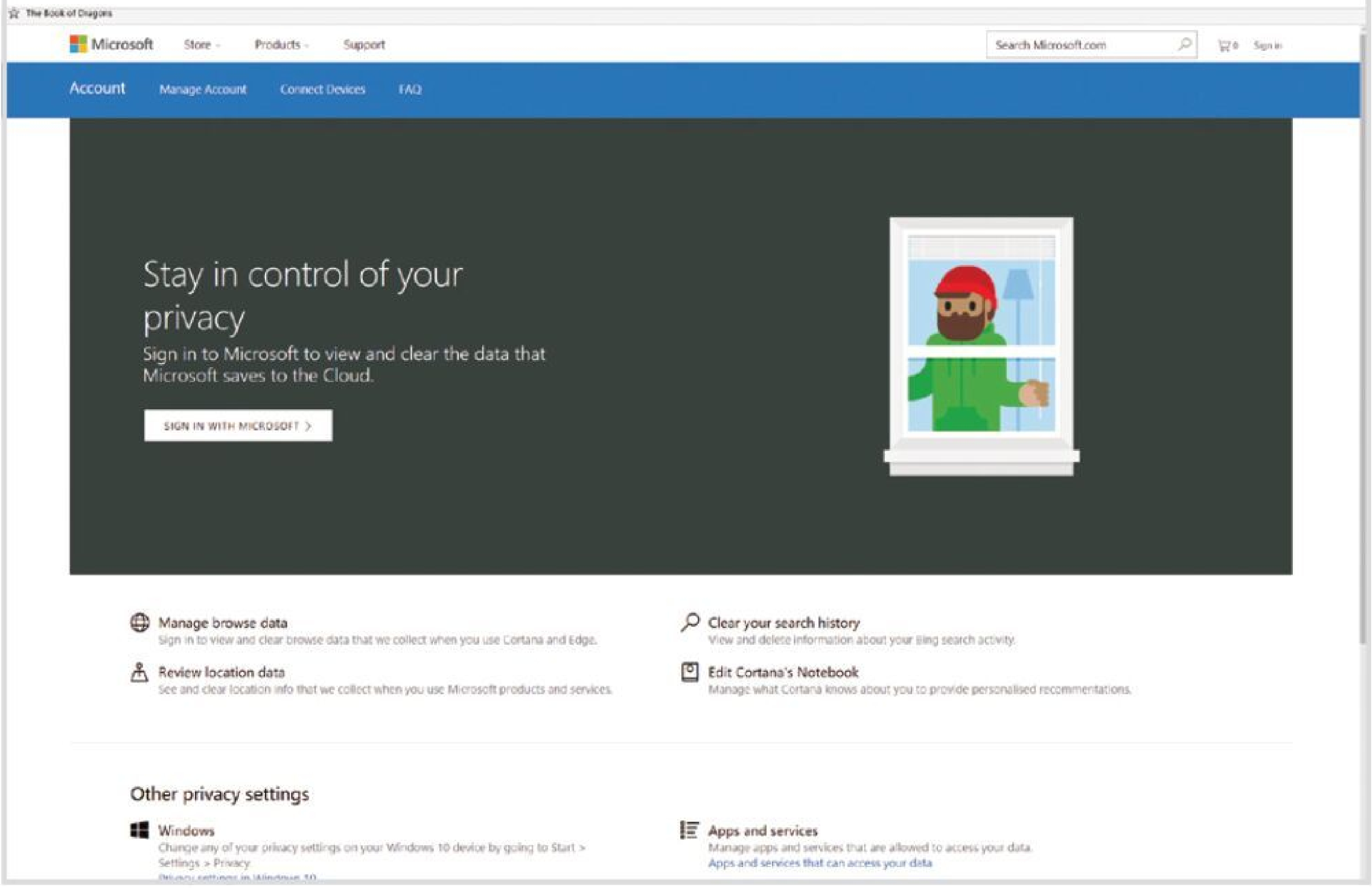
Manage Your Privacy in Windows 10

Being in control of security on your computer is important but almost as important is being able to control your privacy. Microsoft recently launched a web-based privacy dashboard and this has now become available to everyone in the Creators update. Manage privacy settings across multiple devices using a single account.

The Privacy Dashboard

The privacy dashboard is web-based rather than in the settings and it allows you to manage multiple devices from a single interface, as long as you are logged in to a single account.

1 Open your browser and navigate to www.account.microsoft.com/privacy. If prompted, use your Microsoft account details to log in. You will be logged in to the privacy overview page that lets you quickly see what privacy settings the dashboard contains and controls.



Stay in control of your privacy

Sign in to Microsoft to view and clear the data that Microsoft saves to the Cloud.

Manage browse data
Sign in to view and clear browse data that we collect when you use Cortana and Edge.

Clear your search history
View and delete information about your Bing search activity.

Review location data
See and clear location info that we collect when you use Microsoft products and services.

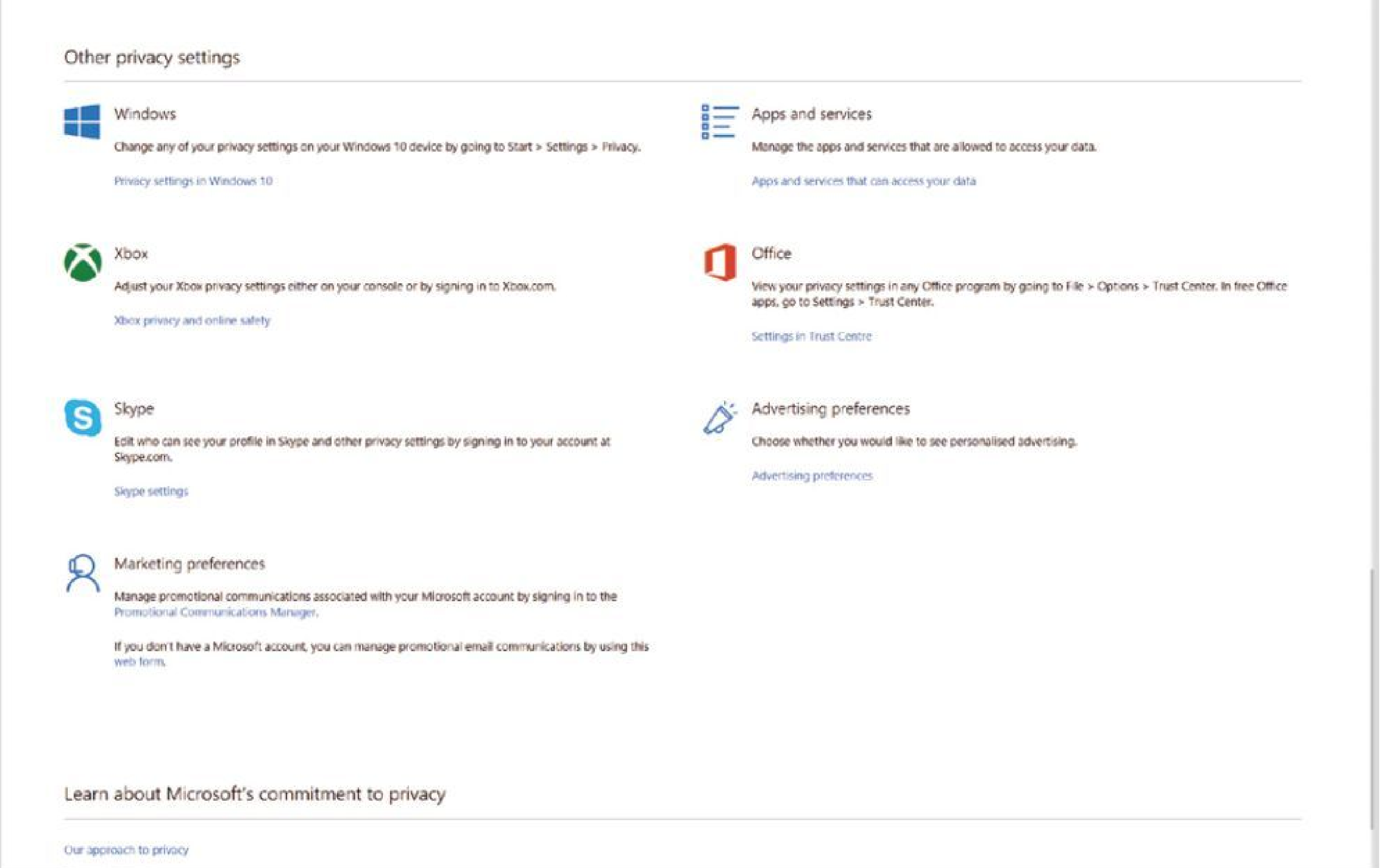
Edit Cortana's Notebook
Manage what Cortana knows about you to provide personalised recommentations.

Other privacy settings

Windows
Change any of your privacy settings on your Windows 10 device by going to Start > Settings > Privacy

Apps and services
Manage apps and services that are allowed to access your data.
Apps and services that can access your data

2 Along with the main Search, Browsing and Location privacy categories, if you scroll down to the bottom of the page you will see entries for everything from Apps to Xbox, with simple links to take you to the settings and options for those privacy areas.



Other privacy settings

Windows
Change any of your privacy settings on your Windows 10 device by going to Start > Settings > Privacy.
Privacy settings in Windows 10

Apps and services
Manage the apps and services that are allowed to access your data.
Apps and services that can access your data

Xbox
Adjust your Xbox privacy settings either on your console or by signing in to Xbox.com.
Xbox privacy and online safety

Office
View your privacy settings in any Office program by going to File > Options > Trust Center. In free Office apps, go to Settings > Trust Center.
Settings in Trust Centre

Skype
Edit who can see your profile in Skype and other privacy settings by signing in to your account at Skype.com.
Skype settings

Advertising preferences
Choose whether you would like to see personalised advertising.
Advertising preferences

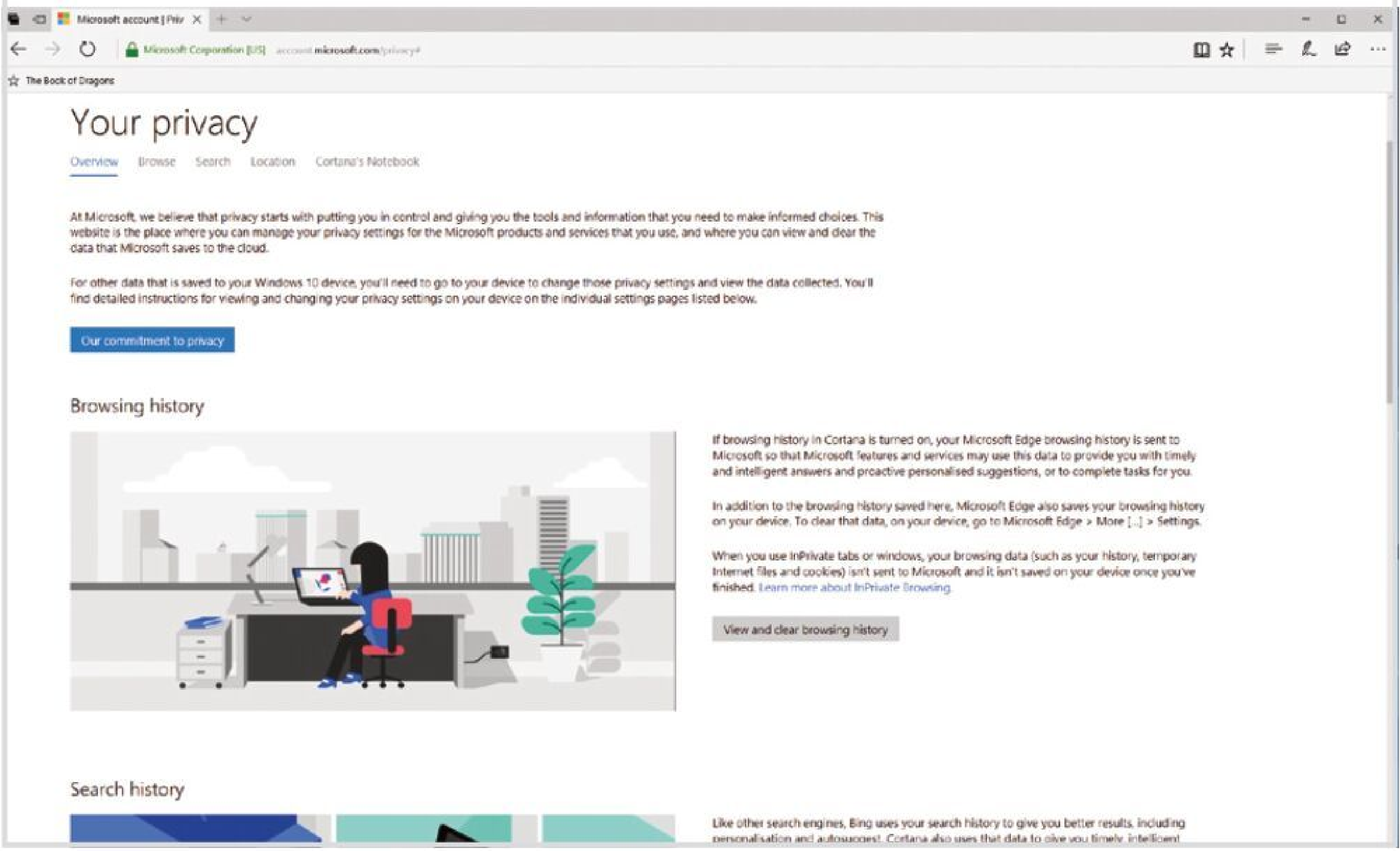
Marketing preferences
Manage promotional communications associated with your Microsoft account by signing in to the Promotional Communications Manager.

If you don't have a Microsoft account, you can manage promotional email communications by using this web form.

Learn about Microsoft's commitment to privacy

Our approach to privacy

3 Click on one of the main categories, Search, Browsing, Location or Cortana, and you will see more information. This could include a list of searches you have made or websites visited (in Edge only, not other browsers), interests Cortana has saved for you or locations you have been.


Microsoft account | Priv
Microsoft Corporation [US]
account.microsoft.com/privacy#
The Book of Dragons
Overview
Browse
Search
Location
Cortana's Notebook
Our commitment to privacy
View and clear browsing history

Your privacy

At Microsoft, we believe that privacy starts with putting you in control and giving you the tools and information that you need to make informed choices. This website is the place where you can manage your privacy settings for the Microsoft products and services that you use, and where you can view and clear the data that Microsoft saves to the cloud.

For other data that is saved to your Windows 10 device, you'll need to go to your device to change those privacy settings and view the data collected. You'll find detailed instructions for viewing and changing your privacy settings on your device on the individual settings pages listed below.

Browsing history

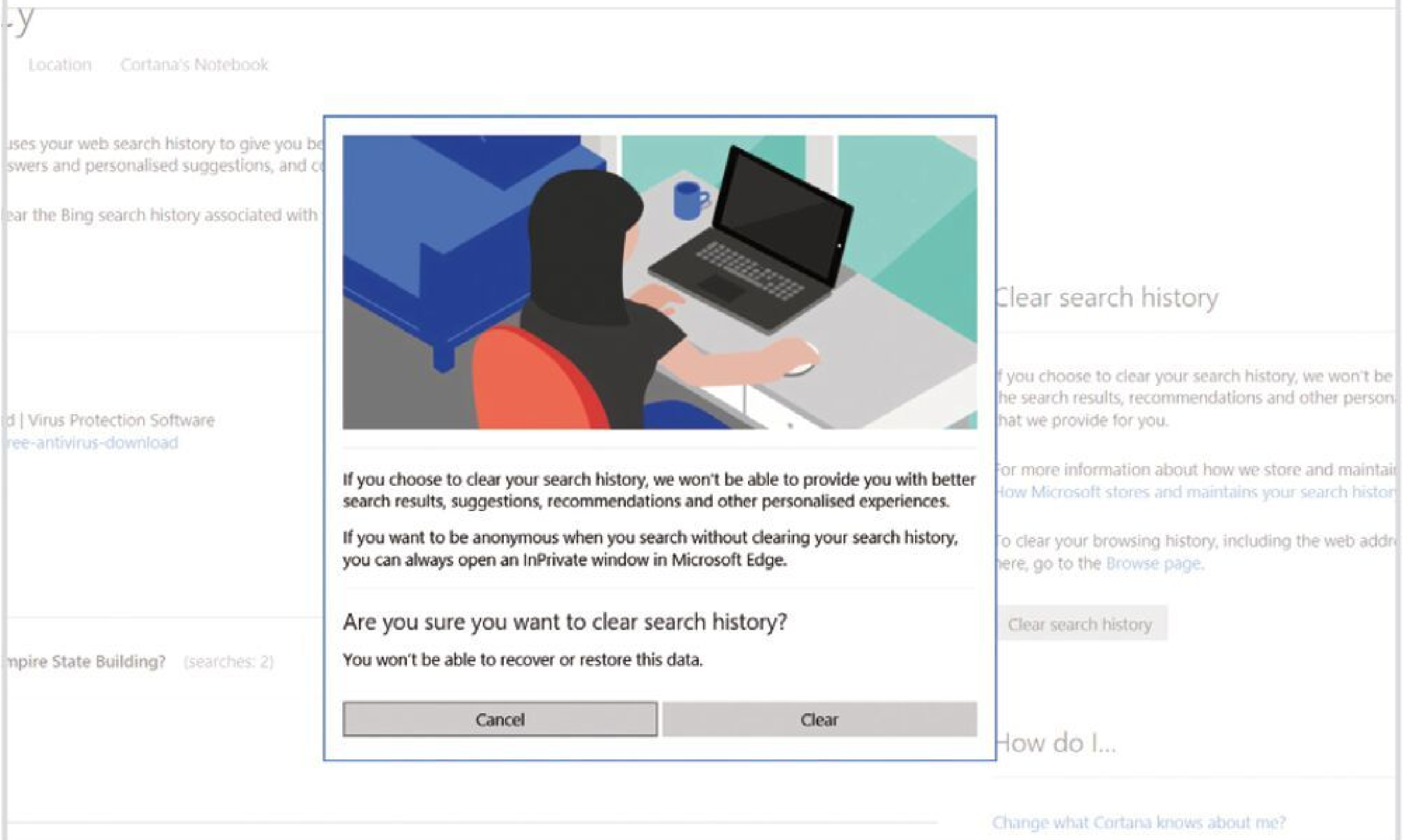
If browsing history in Cortana is turned on, your Microsoft Edge browsing history is sent to Microsoft so that Microsoft features and services may use this data to provide you with timely and intelligent answers and proactive personalised suggestions, or to complete tasks for you.

In addition to the browsing history saved here, Microsoft Edge also saves your browsing history on your device. To clear that data, on your device, go to Microsoft Edge > More [...] > Settings.

When you use InPrivate tabs or windows, your browsing data (such as your history, temporary Internet files and cookies) isn't sent to Microsoft and it isn't saved on your device once you've finished. Learn more about InPrivate Browsing.

Search history

4 Each section has a Clear button, whether that is clearing browsing history, search history and so on. It is next to a warning that states clearing data will stop Windows being able to provide you with accurate and relevant information. You need to decide what is more important, privacy or recommendations.



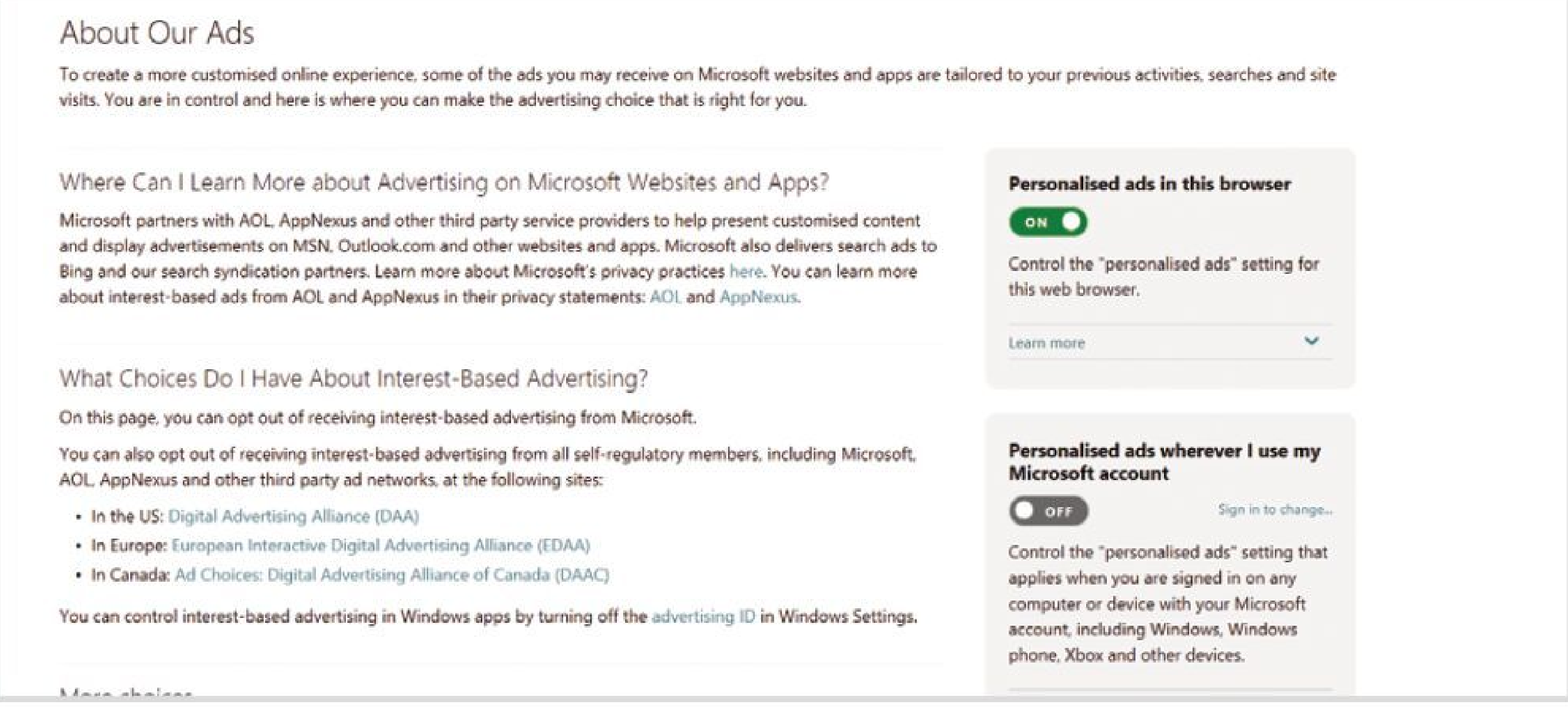
If you choose to clear your search history, we won't be able to provide you with better search results, suggestions, recommendations and other personalised experiences.

If you want to be anonymous when you search without clearing your search history, you can always open an InPrivate window in Microsoft Edge.

Are you sure you want to clear search history?

You won't be able to recover or restore this data.

5 Another useful privacy section in the dashboard is the Advertising Preferences. This lets you control whether personalised adverts are shown to you in the Edge browser. Some of the ads you may receive on Microsoft websites and apps are tailored to your previous activities and searches.



About Our Ads

To create a more customised online experience, some of the ads you may receive on Microsoft websites and apps are tailored to your previous activities, searches and site visits. You are in control and here is where you can make the advertising choice that is right for you.

Where Can I Learn More about Advertising on Microsoft Websites and Apps?

Microsoft partners with AOL, AppNexus and other third party service providers to help present customised content and display advertisements on MSN, Outlook.com and other websites and apps. Microsoft also delivers search ads to Bing and our search syndication partners. Learn more about Microsoft's privacy practices here. You can learn more about interest-based ads from AOL and AppNexus in their privacy statements: AOL and AppNexus.

What Choices Do I Have About Interest-Based Advertising?

On this page, you can opt out of receiving interest-based advertising from Microsoft.

You can also opt out of receiving interest-based advertising from all self-regulatory members, including Microsoft, AOL, AppNexus and other third party ad networks, at the following sites:

- In the US: Digital Advertising Alliance (DAA)
- In Europe: European Interactive Digital Advertising Alliance (EDAA)
- In Canada: Ad Choices: Digital Advertising Alliance of Canada (DAAC)

You can control interest-based advertising in Windows apps by turning off the advertising ID in Windows Settings.

Personalised ads in this browser: ON

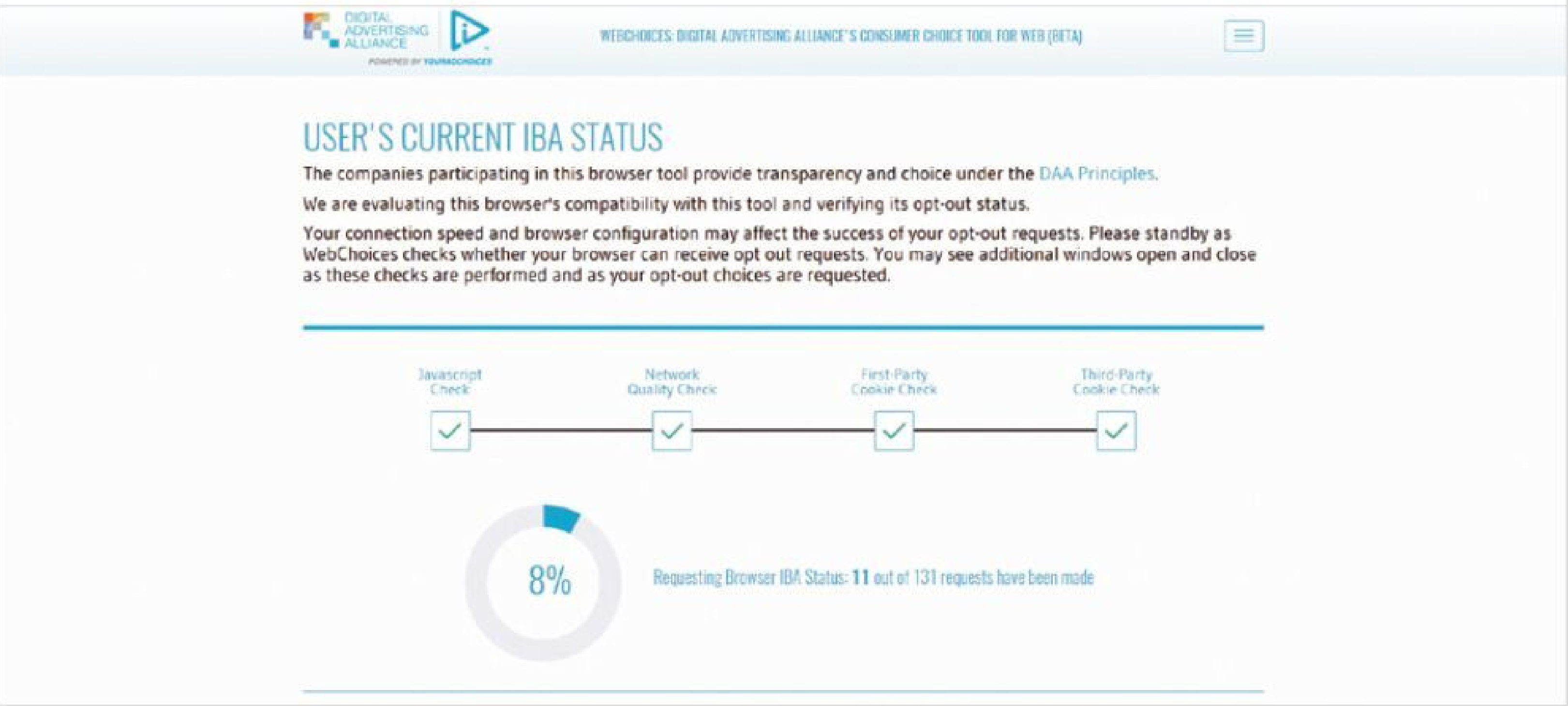
Control the "personalised ads" setting for this web browser.

Personalised ads wherever I use my Microsoft account: OFF

Control the "personalised ads" setting that applies when you are signed in on any computer or device with your Microsoft account, including Windows, Windows phone, Xbox and other devices.

Learn more
Sign in to change...

6 There is also a browser tool that lets you choose if the adverts you see come from companies other than Microsoft. Click the option under More Choices and wait for the Digital Advertising Alliance scan to finish. You can then choose from the list to see adverts from different advert providers.



DIGITAL ADVERTISING ALLIANCE
WEBCHOICES: DIGITAL ADVERTISING ALLIANCE'S CONSUMER CHOICE TOOL FOR WEB (BETA)

USER'S CURRENT IBA STATUS

The companies participating in this browser tool provide transparency and choice under the DAA Principles.

We are evaluating this browser's compatibility with this tool and verifying its opt-out status.

Your connection speed and browser configuration may affect the success of your opt-out requests. Please standby as WebChoices checks whether your browser can receive opt out requests. You may see additional windows open and close as these checks are performed and as your opt-out choices are requested.

Javascript Check
Network Quality Check
First-Party Cookie Check
Third-Party Cookie Check
8%

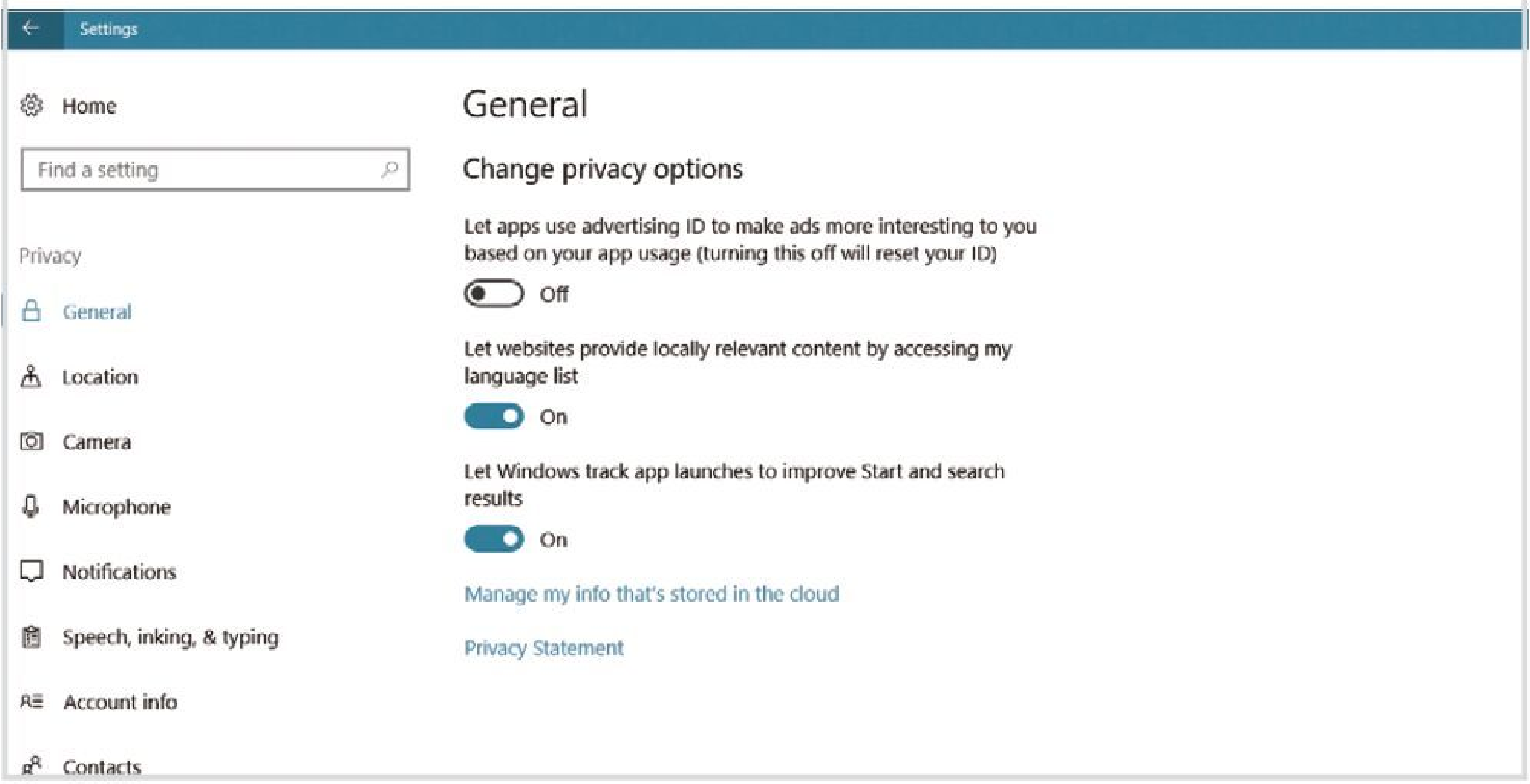
Requesting Browser IBA Status: 11 out of 131 requests have been made

Privacy Settings

There are, of course, still privacy options in the main settings app in Windows 10. This is generally added to and improved with each OS update.

General Privacy

Privacy has its own section within the settings; here there are many different categories covering everything from Location to Background Apps. Click on each of the privacy categories to see the options within that category. Use the slider switches to allow or block privacy actions.



Settings
Home
Find a setting
Privacy
General
Location
Camera
Microphone
Notifications
Speech, inking, & typing
Account info
Contacts

General

Change privacy options

Let apps use advertising ID to make ads more interesting to you based on your app usage (turning this off will reset your ID): Off

Let websites provide locally relevant content by accessing my language list: On

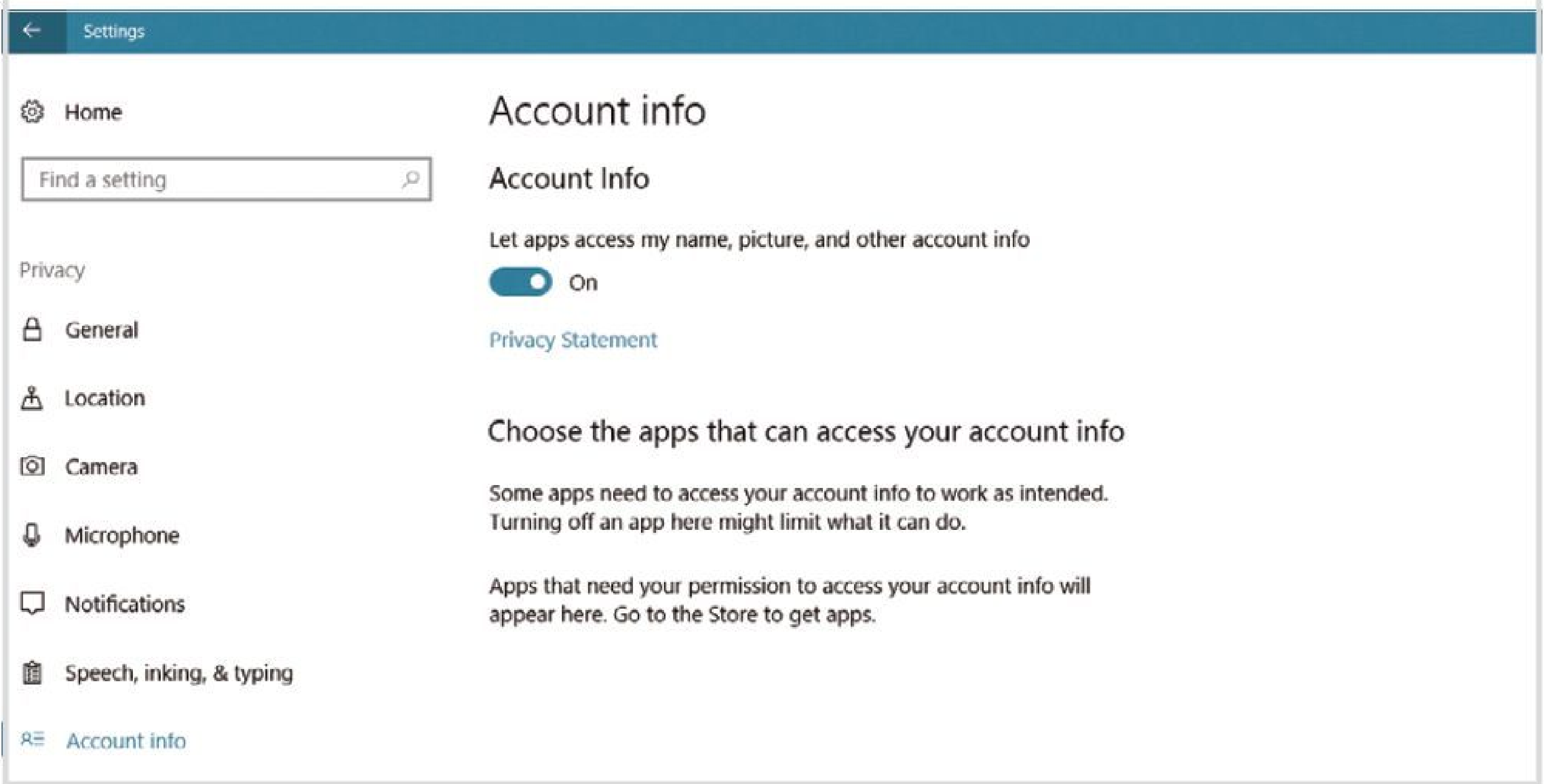
Let Windows track app launches to improve Start and search results: On

Manage my info that's stored in the cloud

Privacy Statement

Account Info

Apps are able to access very basic personal settings such as your name and account information. This is so they can sign you in automatically to your Windows account for things like Xbox Live or the Windows Store. You can turn this off wholesale or on an app by app basis.



Settings
Home
Find a setting
Privacy
General
Location
Camera
Microphone
Notifications
Speech, inking, & typing
Account info

Account info

Account Info

Let apps access my name, picture, and other account info: On

Privacy Statement

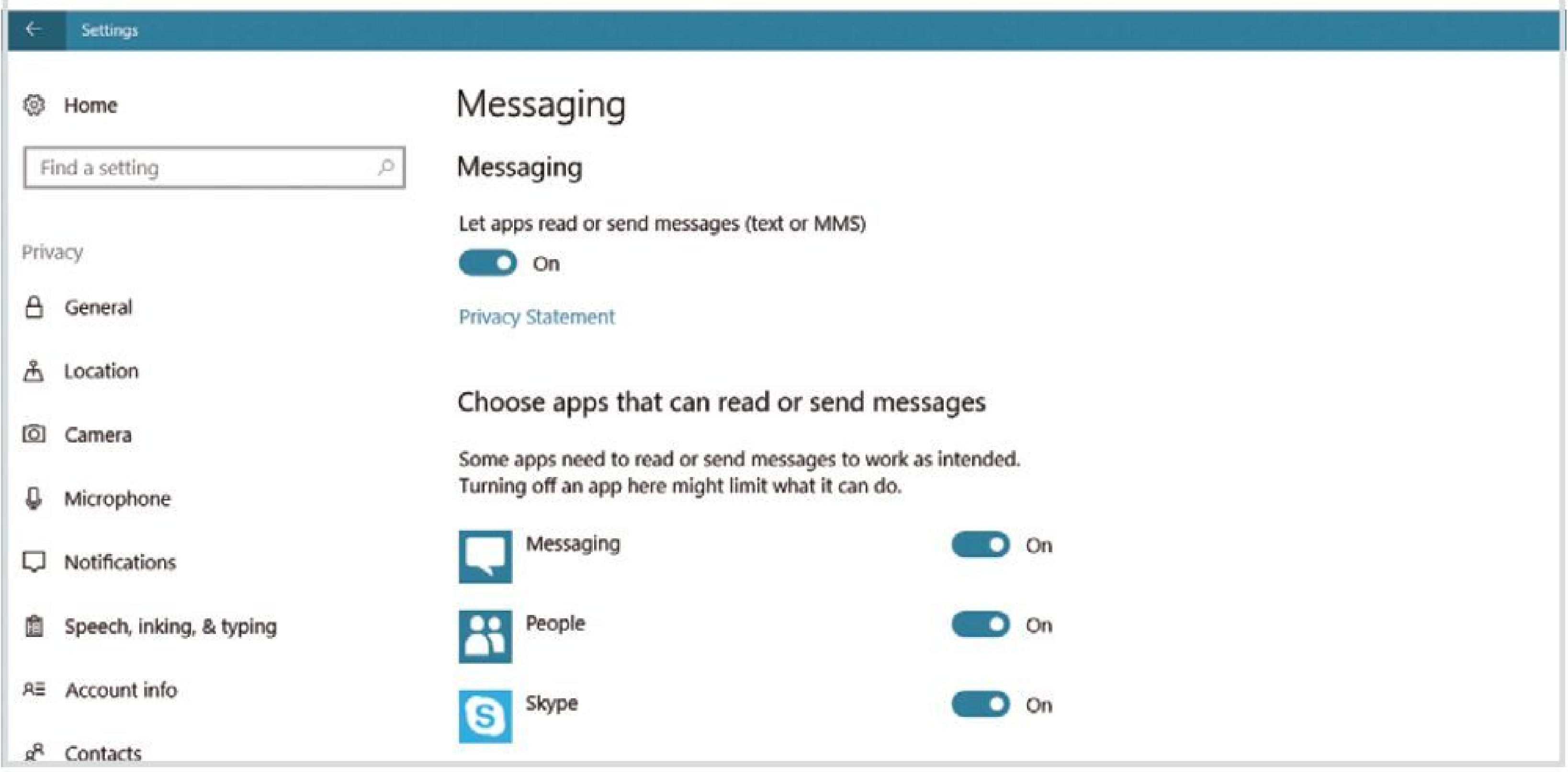
Choose the apps that can access your account info

Some apps need to access your account info to work as intended. Turning off an app here might limit what it can do.

Apps that need your permission to access your account info will appear here. Go to the Store to get apps.

Messaging Apps

We're using Windows 10 on a laptop here but if we had a tablet with a SIM card we would be able to get control over which apps were able to send messages over SMS and MMS. You probably want this to be restricted to just your Messaging app; most apps really shouldn't have access to your texts.



Settings
Home
Find a setting
Privacy
General
Location
Camera
Microphone
Notifications
Speech, inking, & typing
Account info
Contacts

Messaging

Messaging

Let apps read or send messages (text or MMS): On

Privacy Statement

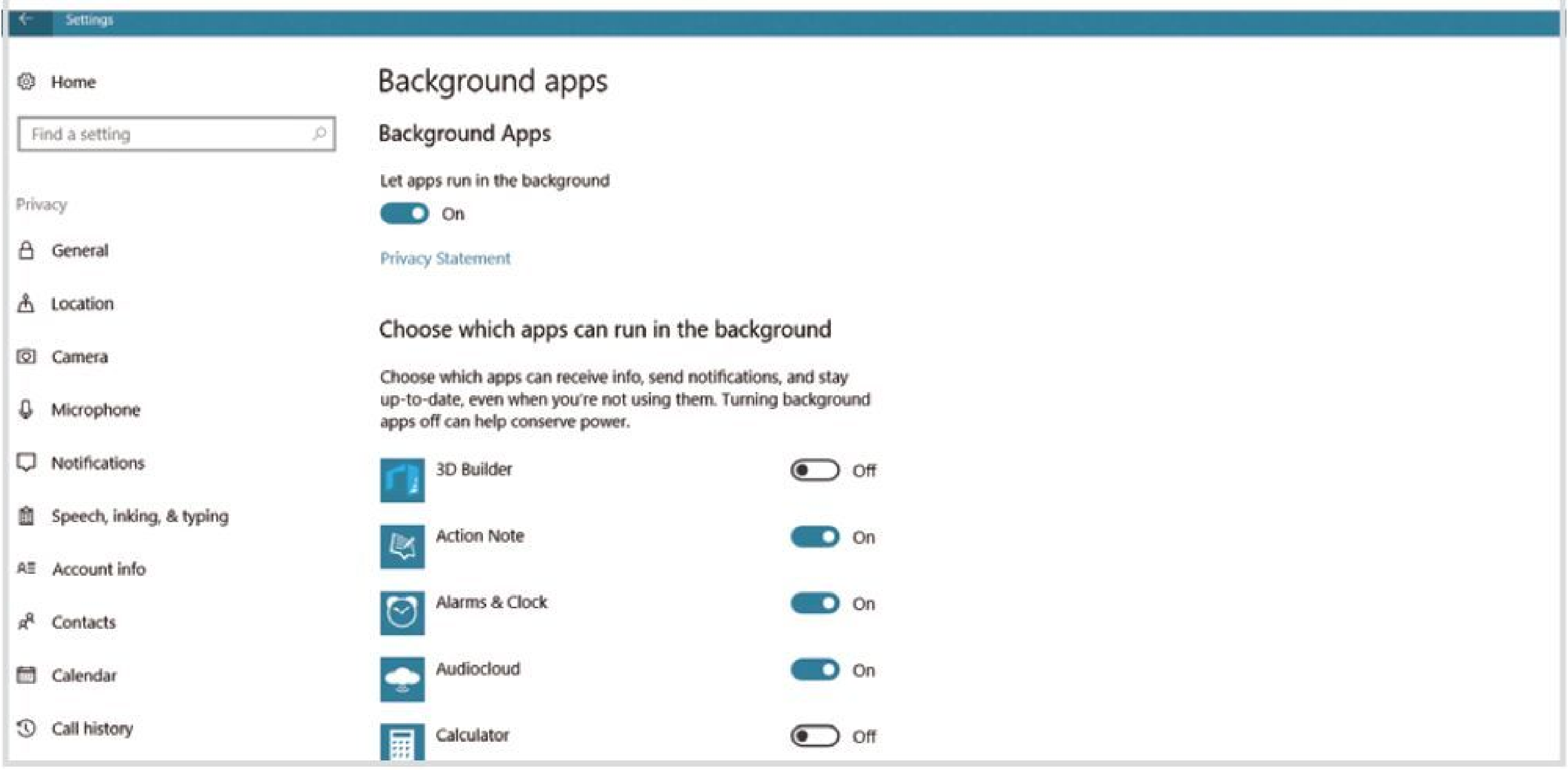
Choose apps that can read or send messages

Some apps need to read or send messages to work as intended. Turning off an app here might limit what it can do.

Messaging: On
People: On
Skype: On

Background Apps

You can control which apps you allow to run in the background. If you're on a laptop or desktop this probably won't be that big an issue, but you may want to turn these off on tablet devices to conserve power. Some apps you may not use, like Get Office, really don't need to run in the background.



Settings
Home
Find a setting
Privacy
General
Location
Camera
Microphone
Notifications
Speech, inking, & typing
Account info
Contacts
Calendar
Call history

Background apps

Background Apps

Let apps run in the background: On

Privacy Statement

Choose which apps can run in the background

Choose which apps can receive info, send notifications, and stay up-to-date, even when you're not using them. Turning background apps off can help conserve power.

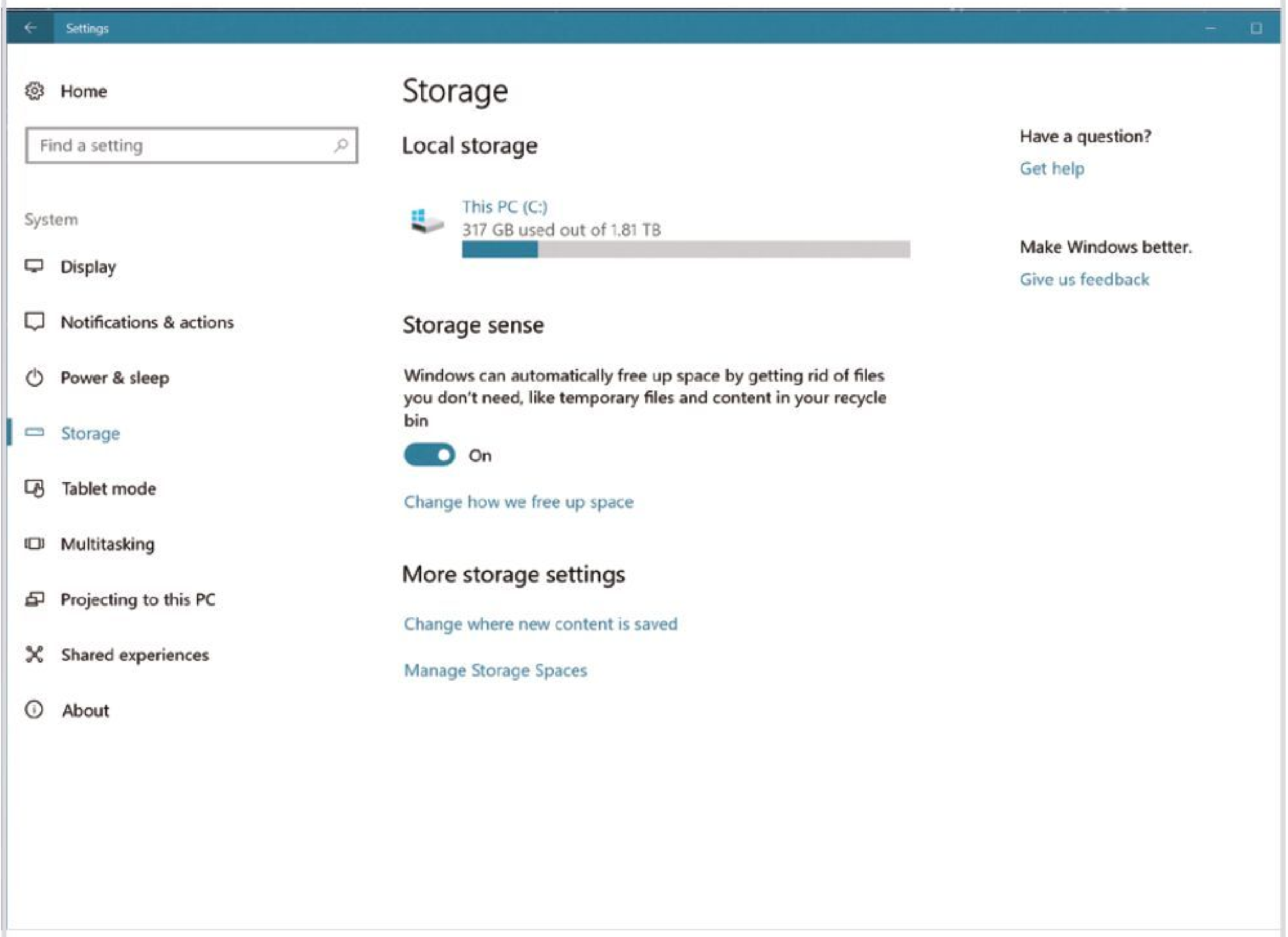
3D Builder: Off
Action Note: On
Alarms & Clock: On
Audiocloud: On
Calculator: Off

Windows 10 Maintenance Tools

Before you start to add software to help with PC and Windows 10 maintenance, it is worth checking out the numerous tools included with the OS. These are slightly spread out over several different settings menus and tool folders but once you know where to find them, you will see that they can really help with system security and performance.

Storage Sense

Activating Storage Sense lets the system software automatically free up storage space by getting rid of files you no longer need. These can include temporary files such as cookies and the contents of your Recycle Bin.


Settings
Home
Find a setting
System
Display
Notifications & actions
Power & sleep
Storage
Tablet mode
Multitasking
Projecting to this PC
Shared experiences
About
Have a question?
Get help
Make Windows better.
Give us feedback
Change how we free up space
Change where new content is saved
Manage Storage Spaces

Storage

Local storage

This PC (C:)
317 GB used out of 1.81 TB

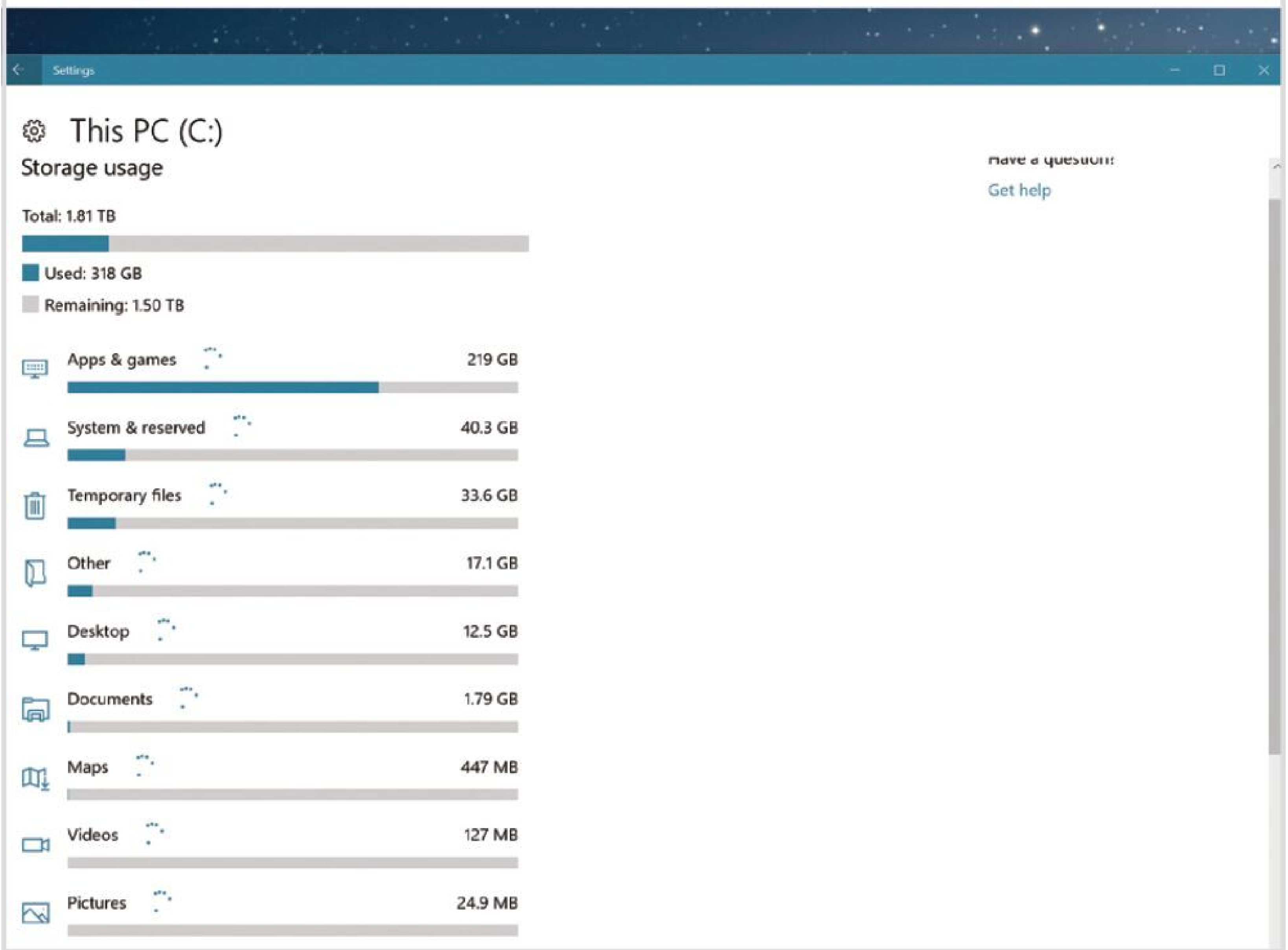
Storage sense

Windows can automatically free up space by getting rid of files you don't need, like temporary files and content in your recycle bin

On

More storage settings

You can choose when files are deleted, e.g. after 30 days in the Recycle Bin or if apps don't use them for a certain amount of time. Alternatively you can simply click a button to Clean Now rather than setting automatic cleaning. You can find the Storage Sense option in Settings > System > Storage.


Settings
Get help

This PC (C:)

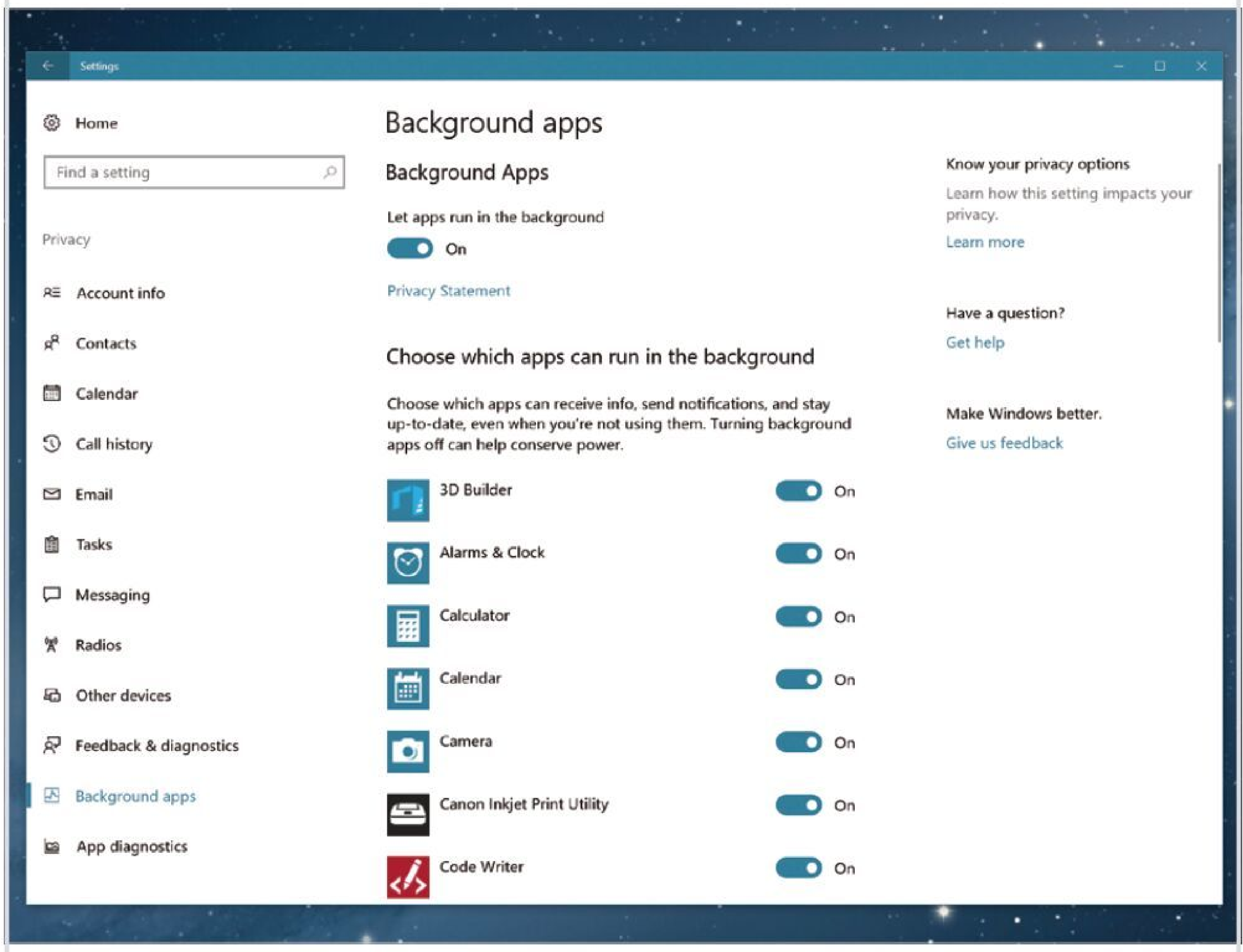
Storage usage

Total: 1.81 TB
Used: 318 GB
Remaining: 1.50 TB

Apps & games	219 GB
System & reserved	40.3 GB
Temporary files	33.6 GB
Other	17.1 GB
Desktop	12.5 GB
Documents	1.79 GB
Maps	447 MB
Videos	127 MB
Pictures	24.9 MB

Background Apps

One of the easiest ways to conserve power (for laptop users) and reduce processor strain, is to take control of Background Apps. These are apps that are, by default, allowed to receive info, send notifications and update in the background.


Settings
Home
Find a setting
Privacy
Account info
Contacts
Calendar
Call history
Email
Tasks
Messaging
Radios
Other devices
Feedback & diagnostics
Background apps
App diagnostics
Privacy Statement
Know your privacy options
Learn how this setting impacts your privacy.
Learn more
Have a question?
Get help
Make Windows better.
Give us feedback

Background apps

Background Apps

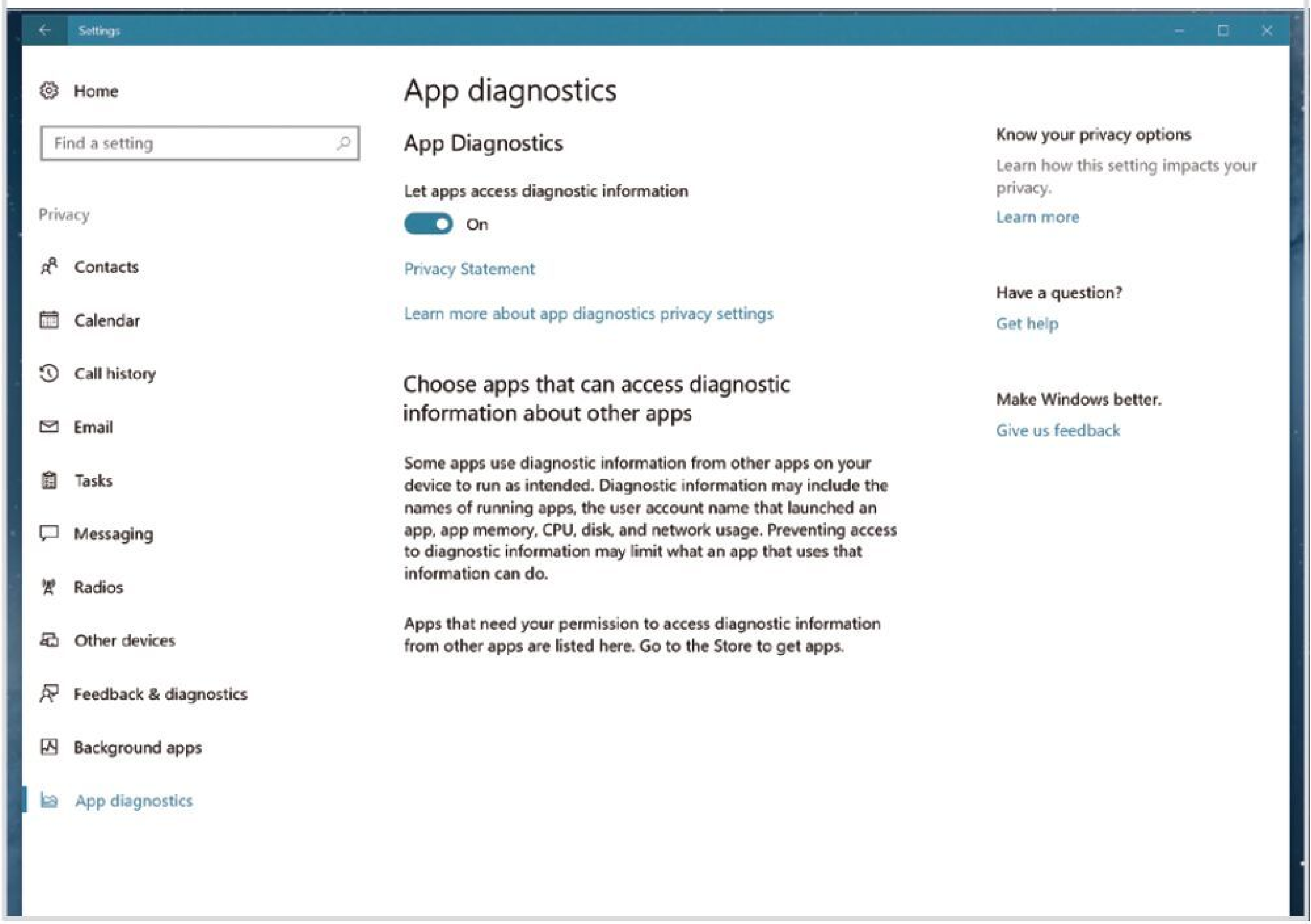
Let apps run in the background
On

Choose which apps can run in the background

Choose which apps can receive info, send notifications, and stay up-to-date, even when you're not using them. Turning background apps off can help conserve power.

3D Builder	On
Alarms & Clock	On
Calculator	On
Calendar	On
Camera	On
Canon Inkjet Print Utility	On
Code Writer	On

You can either stop all background apps with a single slider click or you can prevent individual apps from running in the background. Go to Settings > Privacy > Background Apps and look through the apps listed. If you see apps that you don't need notifications or updates from, click the slider to disable its background activity.


Settings
Home
Find a setting
Privacy
Contacts
Calendar
Call history
Email
Tasks
Messaging
Radios
Other devices
Feedback & diagnostics
Background apps
App diagnostics
Privacy Statement
Learn more about app diagnostics privacy settings
Know your privacy options
Learn how this setting impacts your privacy.
Learn more
Have a question?
Get help
Make Windows better.
Give us feedback

App diagnostics

App Diagnostics

Let apps access diagnostic information
On

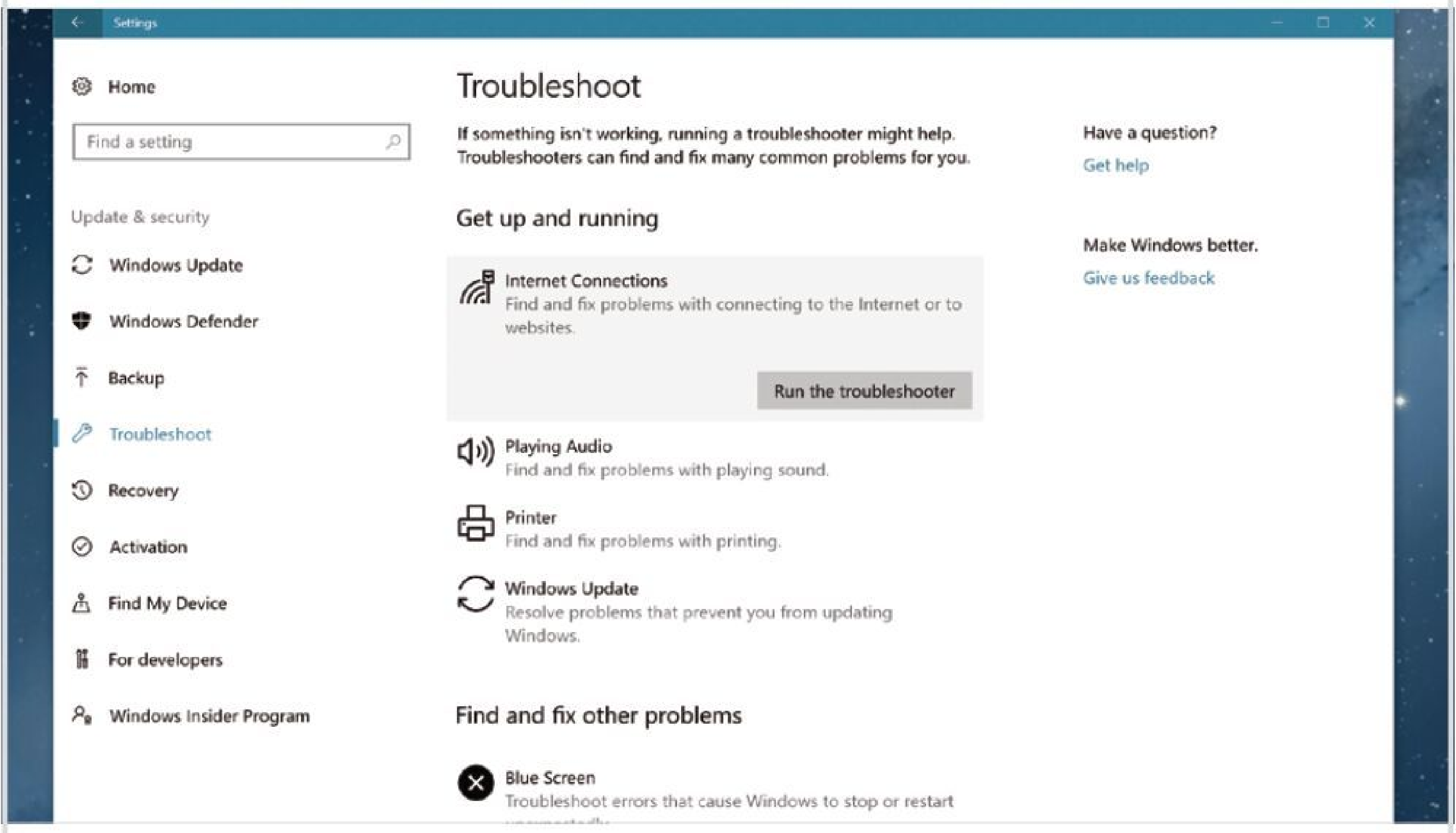
Choose apps that can access diagnostic information about other apps

Some apps use diagnostic information from other apps on your device to run as intended. Diagnostic information may include the names of running apps, the user account name that launched an app, app memory, CPU, disk, and network usage. Preventing access to diagnostic information may limit what an app that uses that information can do.

Apps that need your permission to access diagnostic information from other apps are listed here. Go to the Store to get apps.

Troubleshooters

Windows 10 includes a number of troubleshooting tools, aimed specifically at certain problems such as audio loss or patchy Internet connection. This is often the best place to start when trying to solve problems with your PC and Windows 10, as the OS contains many drivers for common devices and may just need a small software update.


Settings
Home
Find a setting
Update & security
Windows Update
Windows Defender
Backup
Troubleshoot
Recovery
Activation
Find My Device
For developers
Windows Insider Program
Have a question?
Get help
Make Windows better.
Give us feedback
Run the troubleshooter

Troubleshoot

If something isn't working, running a troubleshooter might help. Troubleshooters can find and fix many common problems for you.

Get up and running

Internet Connections
Find and fix problems with connecting to the Internet or to websites.

Playing Audio
Find and fix problems with playing sound.

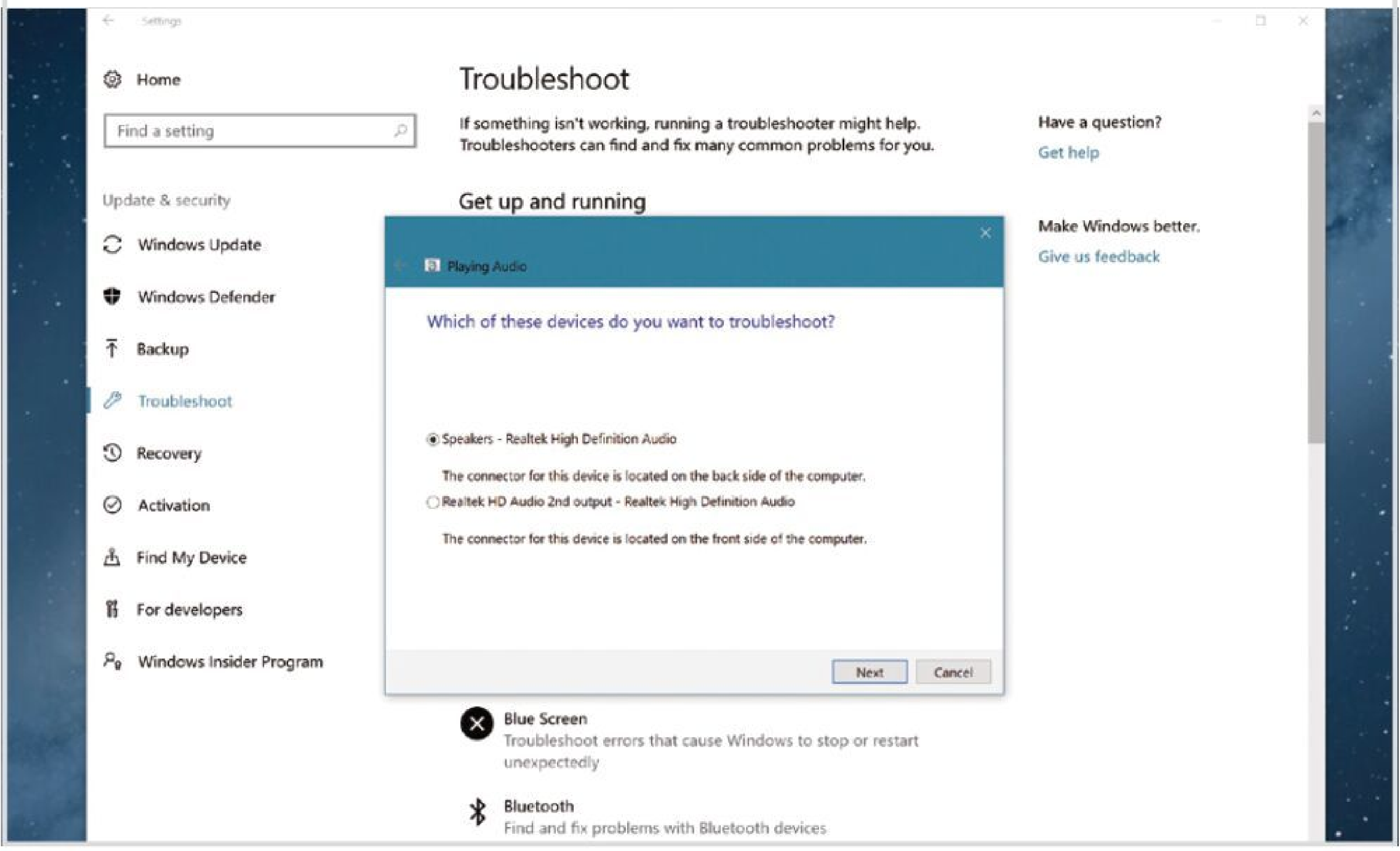
Printer
Find and fix problems with printing.

Windows Update
Resolve problems that prevent you from updating Windows.

Find and fix other problems

Blue Screen
Troubleshoot errors that cause Windows to stop or restart

You simply look through the list of troubleshooters and click on the one which applies. Choose Run the Troubleshooter and then follow the instructions to try and solve the problem. You can find the troubleshooters in Settings > Update & Security > Troubleshoot.


Settings
Home
Find a setting
Update & security
Windows Update
Windows Defender
Backup
Troubleshoot
Recovery
Activation
Find My Device
For developers
Windows Insider Program
Have a question?
Get help
Make Windows better.
Give us feedback
Playing Audio
Next
Cancel

Troubleshoot

If something isn't working, running a troubleshooter might help. Troubleshooters can find and fix many common problems for you.

Get up and running

Which of these devices do you want to troubleshoot?

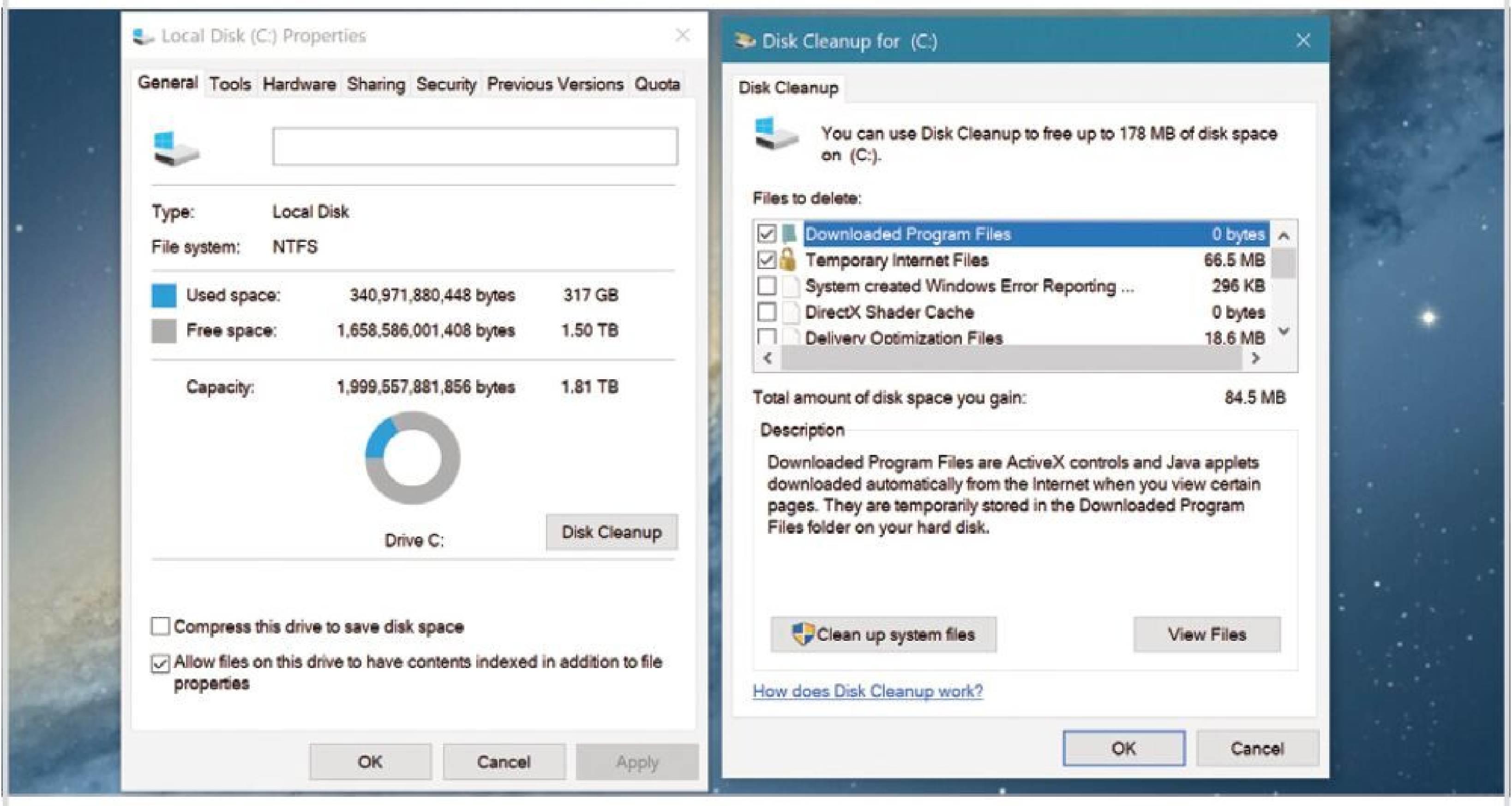
● Speakers - Realtek High Definition Audio
The connector for this device is located on the back side of the computer.
○ Realtek HD Audio 2nd output - Realtek High Definition Audio
The connector for this device is located on the front side of the computer.

Blue Screen
Troubleshoot errors that cause Windows to stop or restart unexpectedly

Bluetooth
Find and fix problems with Bluetooth devices

Disk Tools

There are several tools built in to Windows 10 (and also in older versions of the OS) that allow you to clean, fix and manage your hard disk. Open the File Explorer and look in the left-hand column for 'This PC'. Select it and then right-click on Local Disk (C:). In the General tab, you will see a button for Disk Cleanup that lets you get rid of temporary Internet files, old program files and so on.


Local Disk (C:) Properties
General
Tools
Hardware
Sharing
Security
Previous Versions
Quota
Drive C:
Disk Cleanup
OK
Cancel
Apply
Disk Cleanup for (C:)
Disk Cleanup
Clean up system files
View Files
How does Disk Cleanup work?
OK
Cancel

Type: Local Disk
File system: NTFS
Used space: 340,971,880,448 bytes 317 GB
Free space: 1,658,586,001,408 bytes 1.50 TB
Capacity: 1,999,557,881,856 bytes 1.81 TB

☐ Compress this drive to save disk space
☑ Allow files on this drive to have contents indexed in addition to file properties

You can use Disk Cleanup to free up to 178 MB of disk space on (C:).

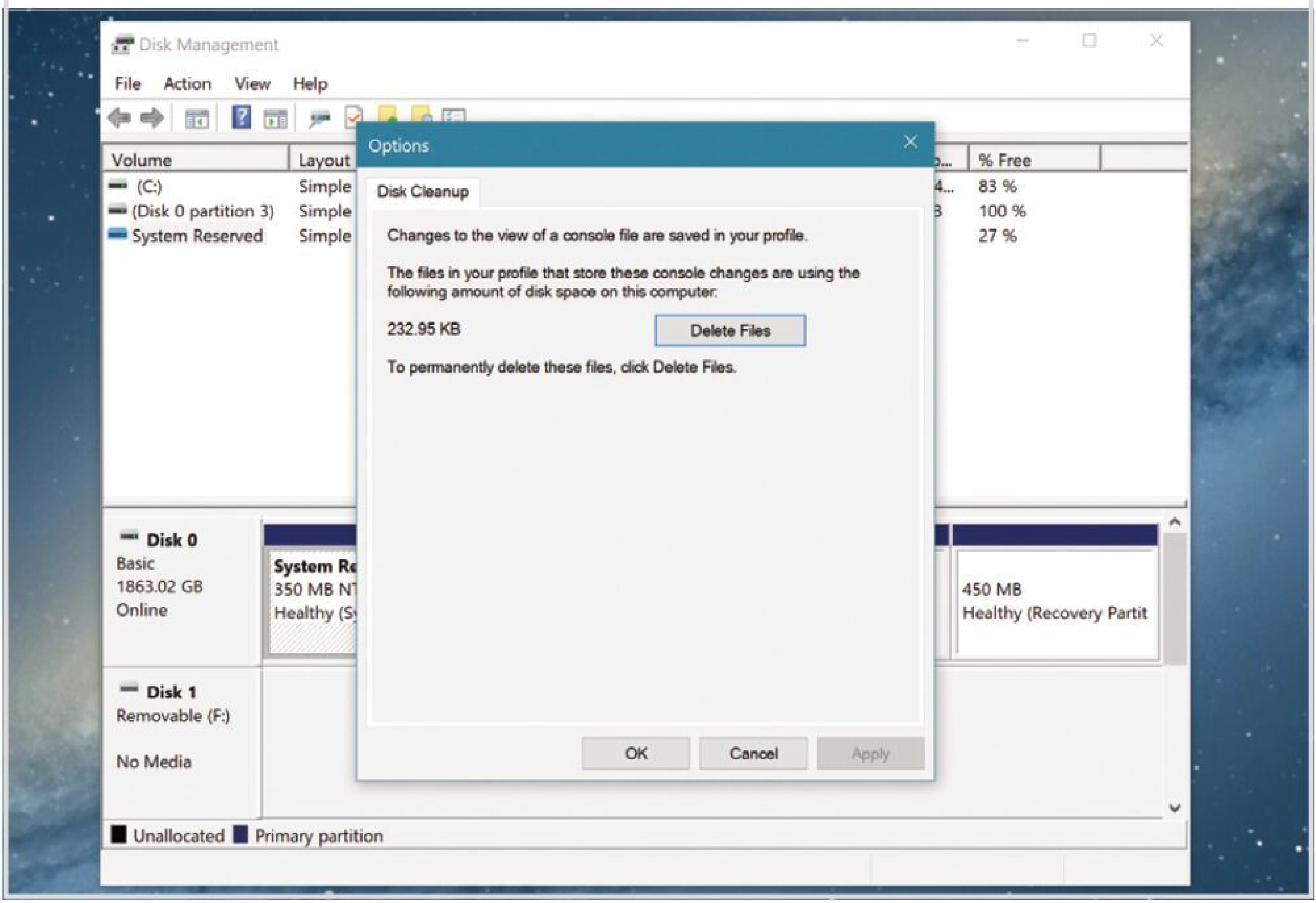
Files to delete:

☑ Downloaded Program Files	0 bytes
☑ Temporary Internet Files	66.5 MB
☐ System created Windows Error Reporting ...	296 KB
☐ DirectX Shader Cache	0 bytes
☐ Delivery Optimization Files	18.6 MB

Total amount of disk space you gain: 84.5 MB

Description
Downloaded Program Files are ActiveX controls and Java applets downloaded automatically from the Internet when you view certain pages. They are temporarily stored in the Downloaded Program Files folder on your hard disk.

If you click the Tools tab, you can use the Error Checking tool and the Disk Defragment tool. Both of these tools can help your hard disk run more efficiently. Click on either button and follow the instructions for each.


Disk Management
File
Action
View
Help
Options
Disk Cleanup
Delete Files
OK
Cancel
Apply
Unallocated
Primary partition

Volume	Layout	% Free
(C:)	Simple	83 %
(Disk 0 partition 3)	Simple	100 %
System Reserved	Simple	27 %

Changes to the view of a console file are saved in your profile.

The files in your profile that store these console changes are using the following amount of disk space on this computer:

232.95 KB

To permanently delete these files, click Delete Files.

Disk 0
Basic
1863.02 GB
Online

System Re
350 MB NT
Healthy (S

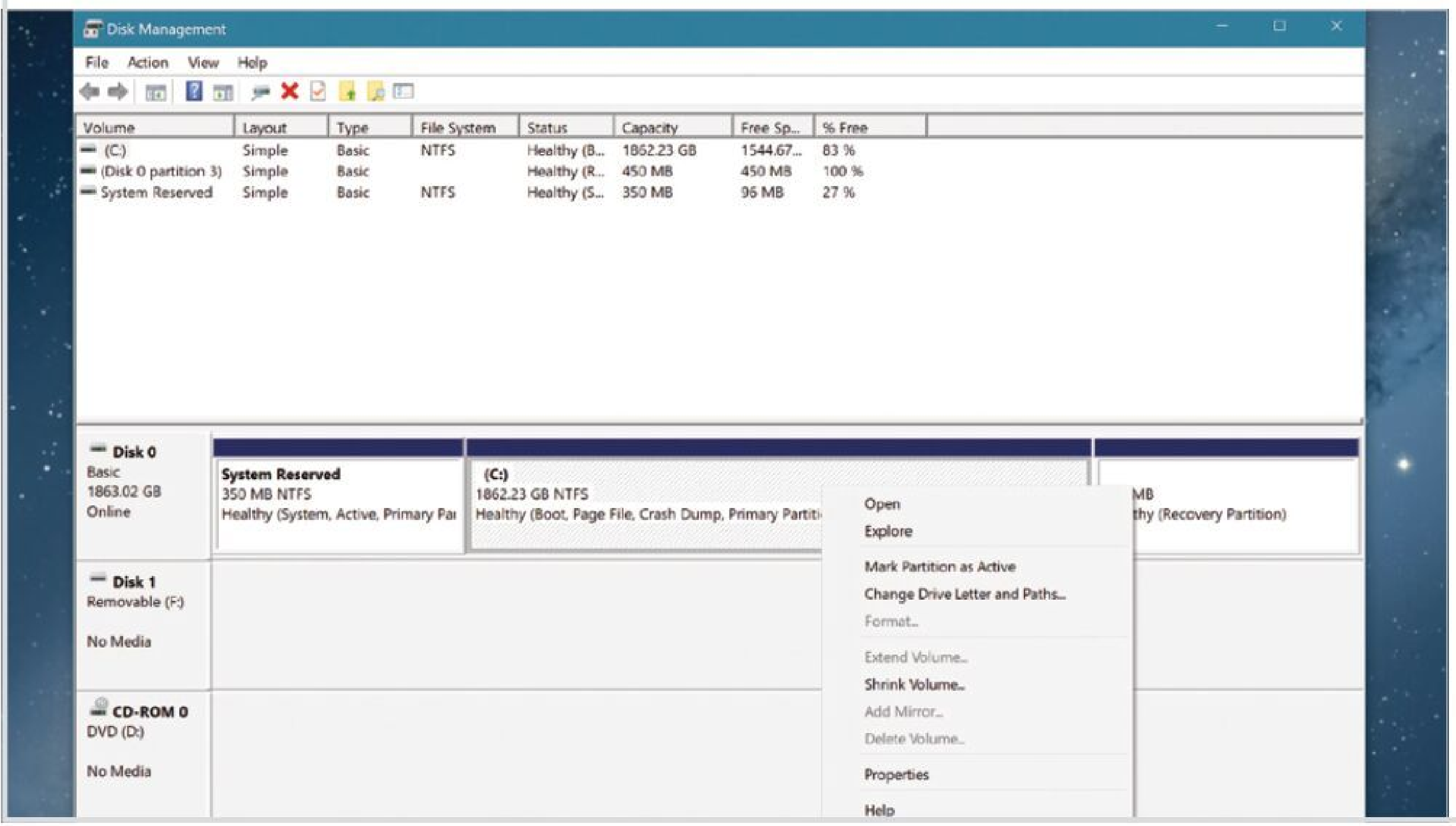
450 MB
Healthy (Recovery Partit

Disk 1
Removable (F:)

No Media

Disk Management

The Disk Management tool is more about diagnostics than actual maintenance but it is a useful way of checking whether your hard disk has space available and is healthy. The panel will show all of your disks, as well as all of the partitions.


Disk Management
File
Action
View
Help
Open
Explore
Mark Partition as Active
Change Drive Letter and Paths...
Format...
Extend Volume...
Shrink Volume...
Add Mirror...
Delete Volume...
Properties
Help

Volume	Layout	Type	File System	Status	Capacity	Free Sp...	% Free
(C:)	Simple	Basic	NTFS	Healthy (B...	1862.23 GB	1544.67...	83 %
(Disk 0 partition 3)	Simple	Basic		Healthy (R...	450 MB	450 MB	100 %
System Reserved	Simple	Basic	NTFS	Healthy (S...	350 MB	96 MB	27 %

Disk 0
Basic
1863.02 GB
Online

System Reserved
350 MB NTFS
Healthy (System, Active, Primary Pa

(C:)
1862.23 GB NTFS
Healthy (Boot, Page File, Crash Dump, Primary Partiti

MB
thy (Recovery Partition)

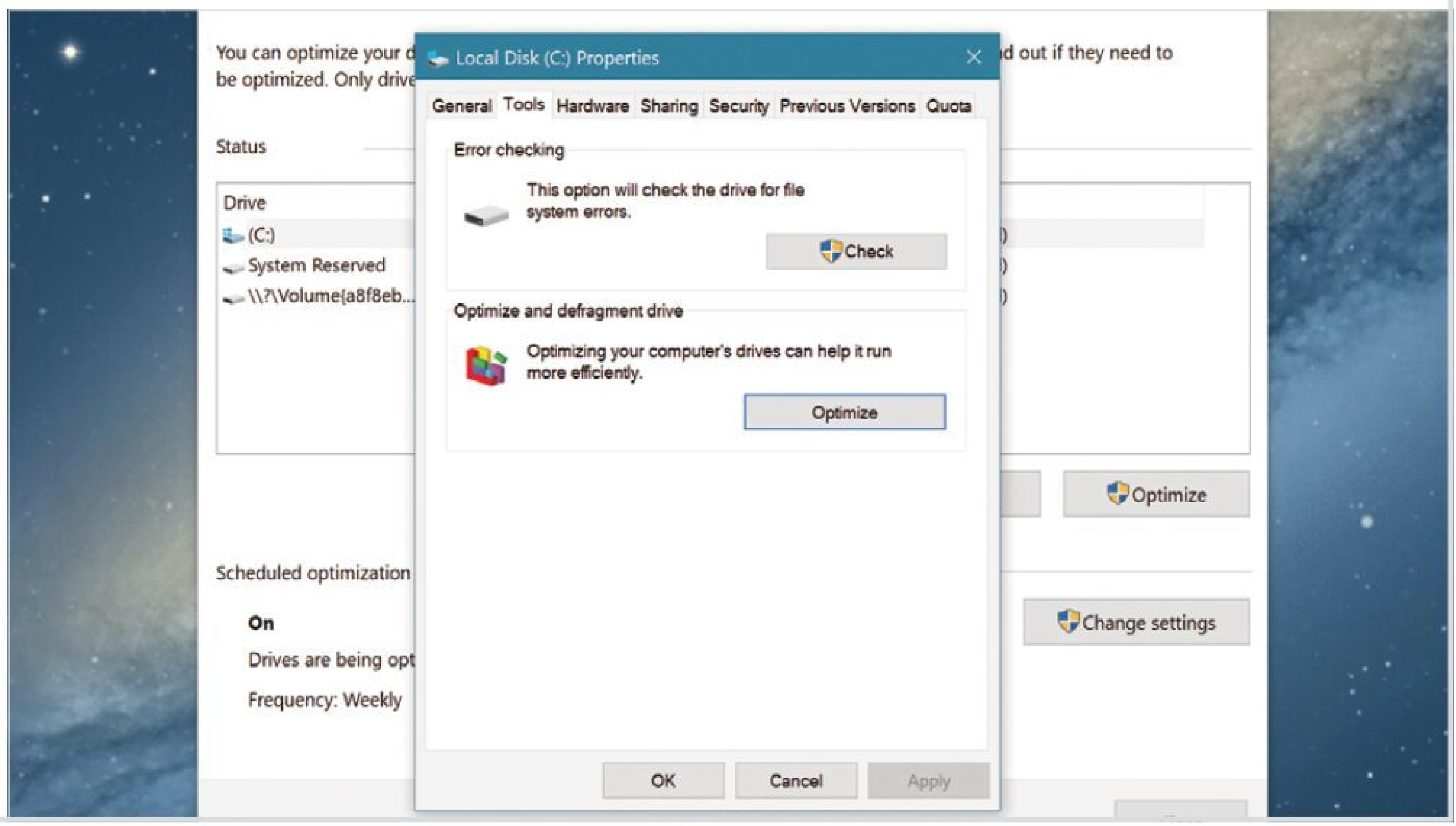
Disk 1
Removable (F:)

No Media

CD-ROM 0
DVD (D:)

No Media

Each column contains information about capacity, free space in MB, percentage of free space and health status. There are some further options, such as the ability to change drive letters and mark partitions as active but they are probably not worth playing around with unless you know what you are doing.


Local Disk (C:) Properties
General
Tools
Hardware
Sharing
Security
Previous Versions
Quota
Check
Optimize
OK
Cancel
Apply
Optimize
Change settings

You can optimize your d
be optimized. Only drive
d out if they need to

Status

Drive
(C:)
System Reserved
\\?\Volume{a8f8eb...

Error checking
This option will check the drive for file system errors.

Optimize and defragment drive
Optimizing your computer's drives can help it run more efficiently.

Scheduled optimization
On
Drives are being opt
Frequency: Weekly

18+

WHAT IS

AVAXHOME?

AVAXHOME -

the biggest Internet portal, providing you various content: brand new books, trending movies, fresh magazines, hot games, recent software, latest music releases.

Unlimited satisfaction one low price
Cheap constant access to piping hot media
Protect your downloadings from Big brother
Safer, than torrent-trackers

18 years of seamless operation and our users' satisfaction

All languages
Brand new content
One site

AVXLIVE.ICU

AvaxHome - Your End Place

We have everything for all of your needs. Just open https://avxlive.icu

Types of Security Risk

There are more security risks for your computer than just the common, run-of-the-mill virus. The amount of digital use the average person has over the course of a week has increased significantly in just a few years, and with it comes a legion of security related issues.

Here Be Dragons

This isn't a definitive list of the possible threats available for the Windows user but here are ten modern risks that you face every time you power up your PC.

01

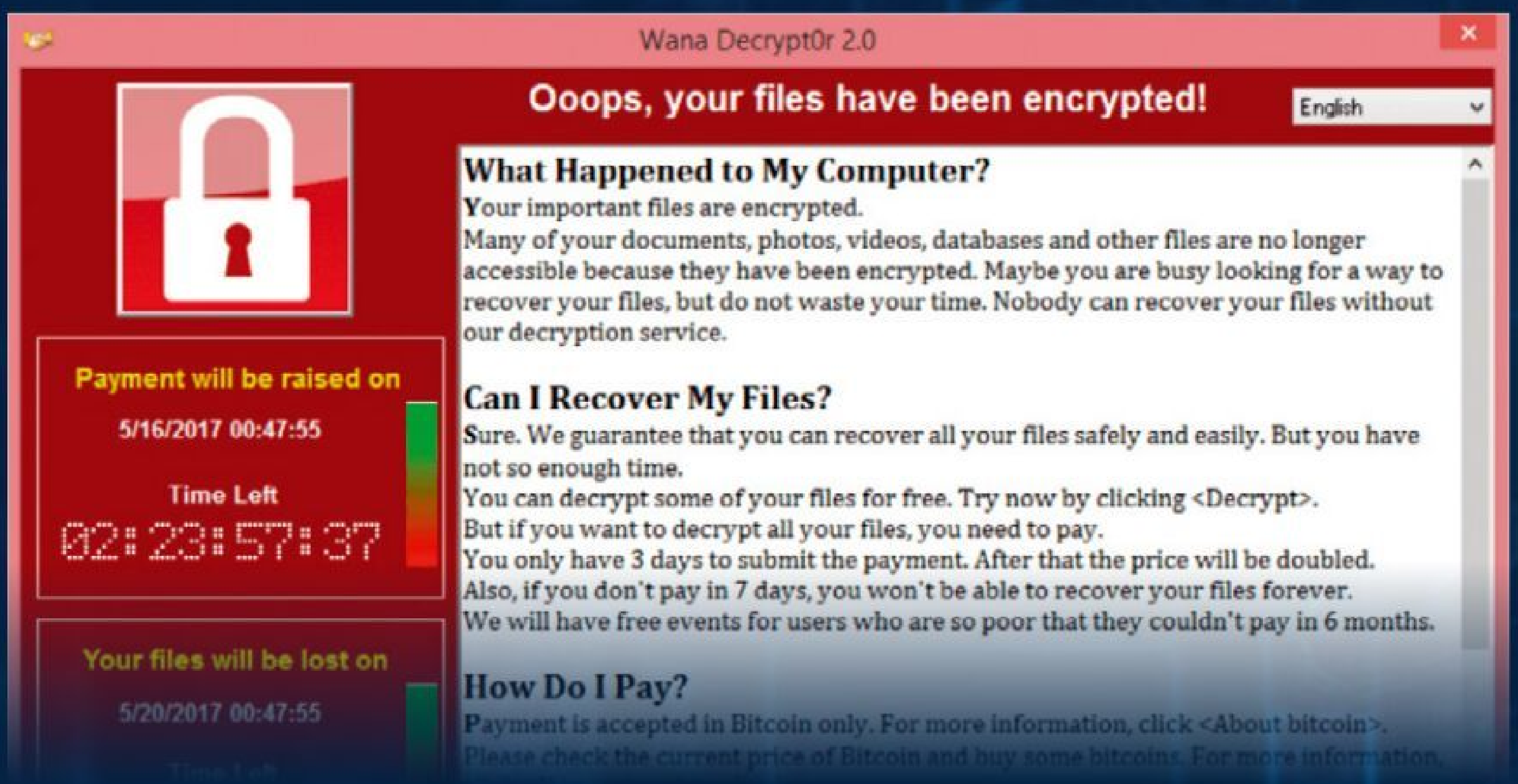
Viruses

Viruses have been around for as long as computers. They've moved on from simply displaying the name of the coder on the monitor, a kind of virtual vandalism, and now can disable and wipe the data off a hard drive in mere seconds.

02

Ransomware

In early 2017, the UK was gripped in the clutches of the WannaCry ransomware infection. This particular infection exploited a vulnerability in Windows, and quickly spread throughout the NHS and other organisations, locking and encrypting the data on a computer until money was sent to those who unleashed it to the world.


Wana Decrypt0r 2.0
Ooops, your files have been encrypted!
English
Payment will be raised on
Time Left
Your files will be lost on
Time Left

5/16/2017 00:47:55

02:23:57:37

5/20/2017 00:47:55

What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information,

03

Worms

Although a worm is a type of virus, it behaves differently in that it's goal isn't to alter or destroy system files. Rather, it's designed to replicate itself continuously until all the resources and space on the system are consumed. A bit of a nightmare for the system administrator.

04

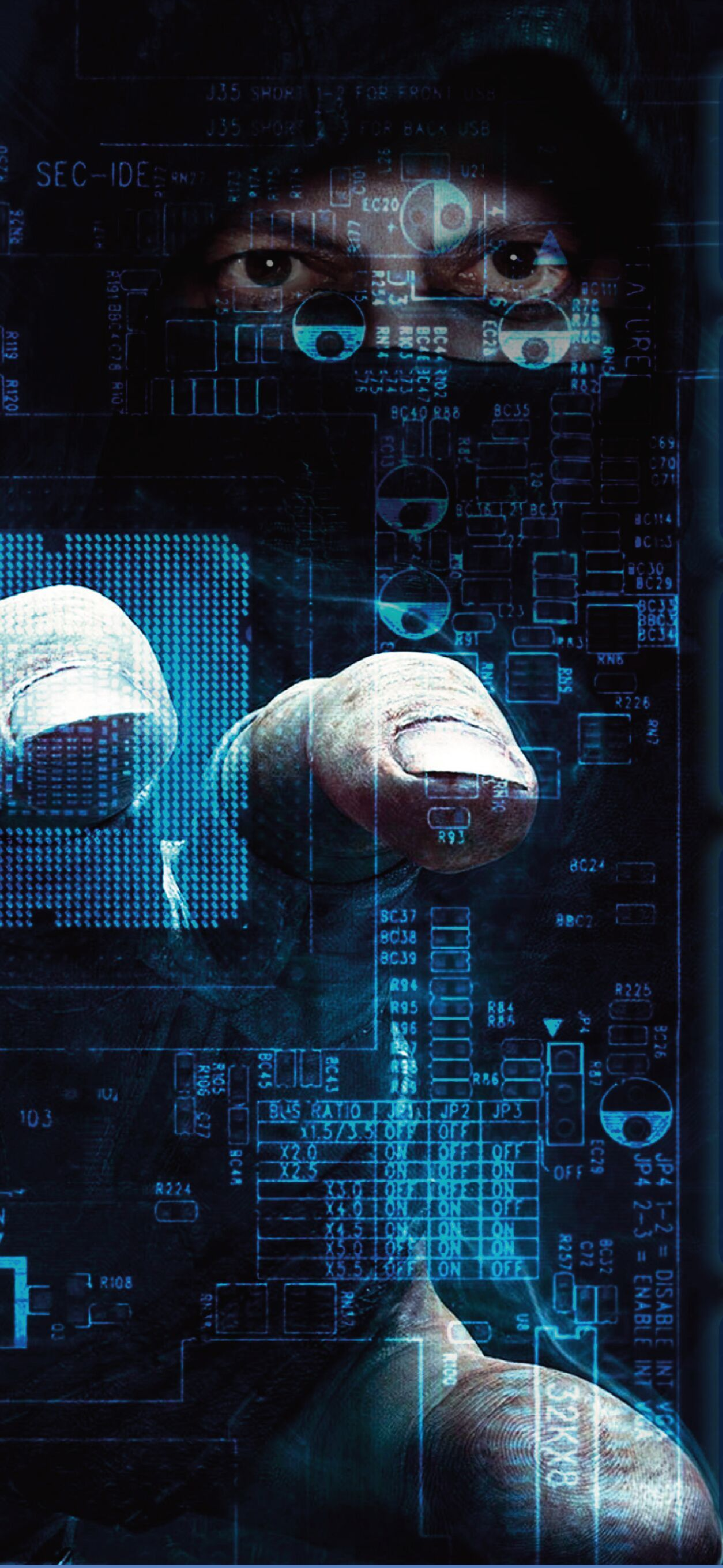
Trojans

The Trojan horse, as the name suggests, is a program that masquerades as a legitimate application but in actual fact contains code that allows a hacker remote access to your computer. Like the legend of the wooden horse the Greeks used to gain access to Troy, once inside your computer it opens and creates an opening for the hacker.

05

Spyware

Spyware invades computers usually through freeware or shareware downloads, which is why you should always download a program from a reputable source. The intent of spyware is to collect information about the user and report it back to those who wrote it.



06

Adware

Adware is very similar to spyware, in that one of its goals is to monitor the user. However, adware usually goes one step further and bombards the user with Internet pop-up advertising, usually when they open their browser or a new tab. The advertising can be tame, such as gardening equipment, or it can be extremely offensive.

07

Hacking

While Hollywood would have you visualise the lifestyle of a hacker as something that's quite alluring, in truth it's quite the opposite. The average user is generally under the radar where a hacker is concerned. They're mostly after the corporations, or famous people, but you can have your computer hacked by a neighbour, for example.

08

Social Engineering

A relatively modern term in the history of computer security, social engineering will have the user deceived into giving away personal information or allowing a scammer into their systems. The recent spate of calls from people claiming to be from the likes of Microsoft or a security firm are a prime example.

09

Phishing

Much in the same vein as social engineering, phishing is the act of obtaining sensitive information (bank details usually) about a user by being disguised as a trustworthy source. Phishing on social media sites such as Facebook, Twitter, etc. is on the rise.

10

Rootkits

Rootkits are virus-like programs that are activated before the computer's anti-virus and security suites are started when booting Windows. They can change the way a security suite looks at files, allowing a virus to hide in plain sight and not be detected by the system's security measures.

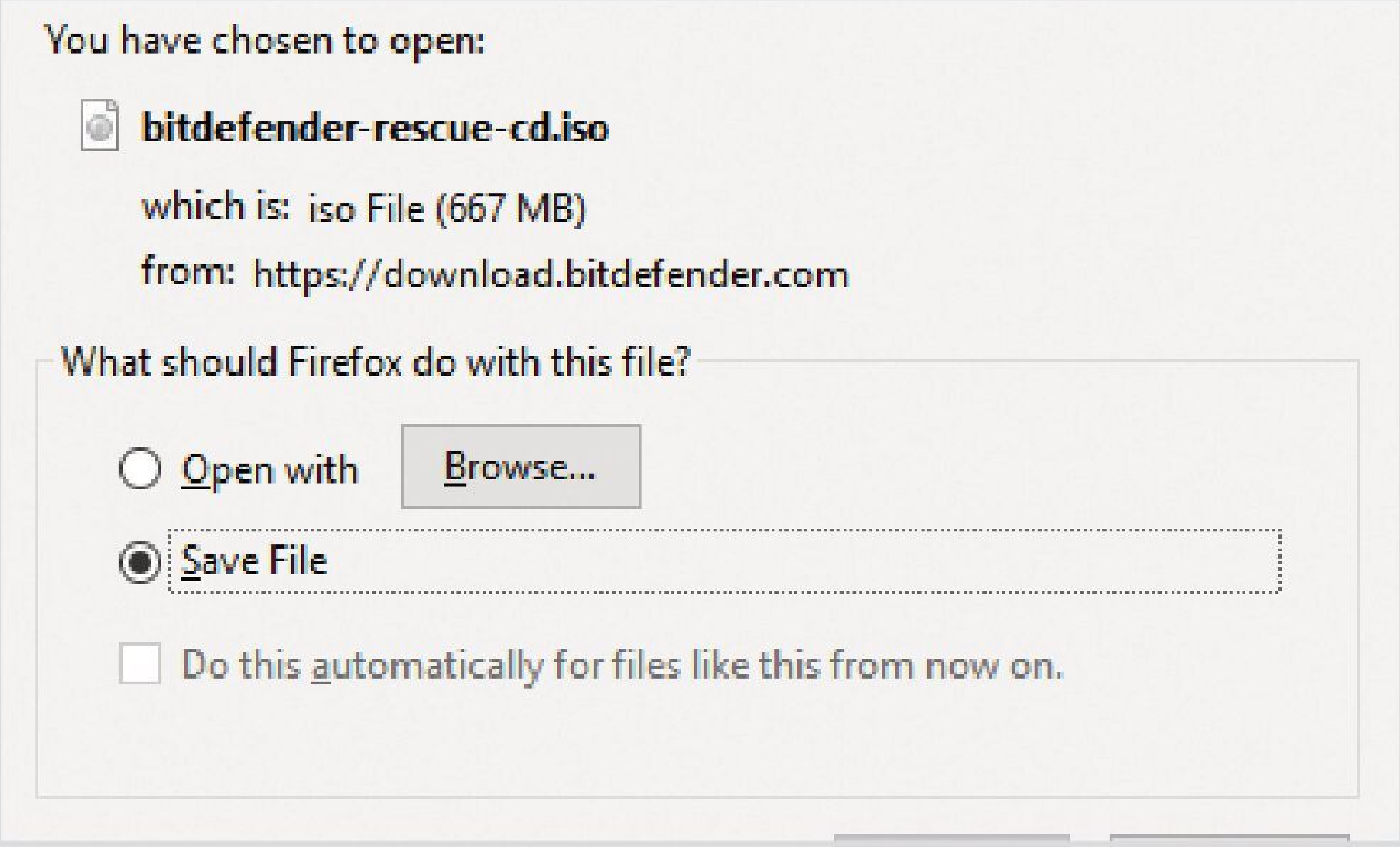
How to Remove Malware from Windows 10

Previously we have looked at ways to prevent being scammed or indeed getting malware on your system but what if you're unlucky enough to already have some form of digital infection? Thankfully there's a way to remove malware and viruses from your computer.

Malware Busters

For this tutorial let's use a preconfigured rescue disk from Bitdefender. You need to transfer or burn the disk contents to a CD or a USB stick and boot into the safe environment through one of those mediums.

1 Make sure you have a blank CD or a USB stick that's at least 1GB in size. The Bitdefender Rescue Disk is downloaded as an ISO, which is an image file containing all the disk information, and can be downloaded from **www.download.bitdefender.com/rescue_cd/latest/bitdefender-rescue-cd.iso**.



You have chosen to open:

bitdefender-rescue-cd.iso

which is: iso File (667 MB)

from: https://download.bitdefender.com

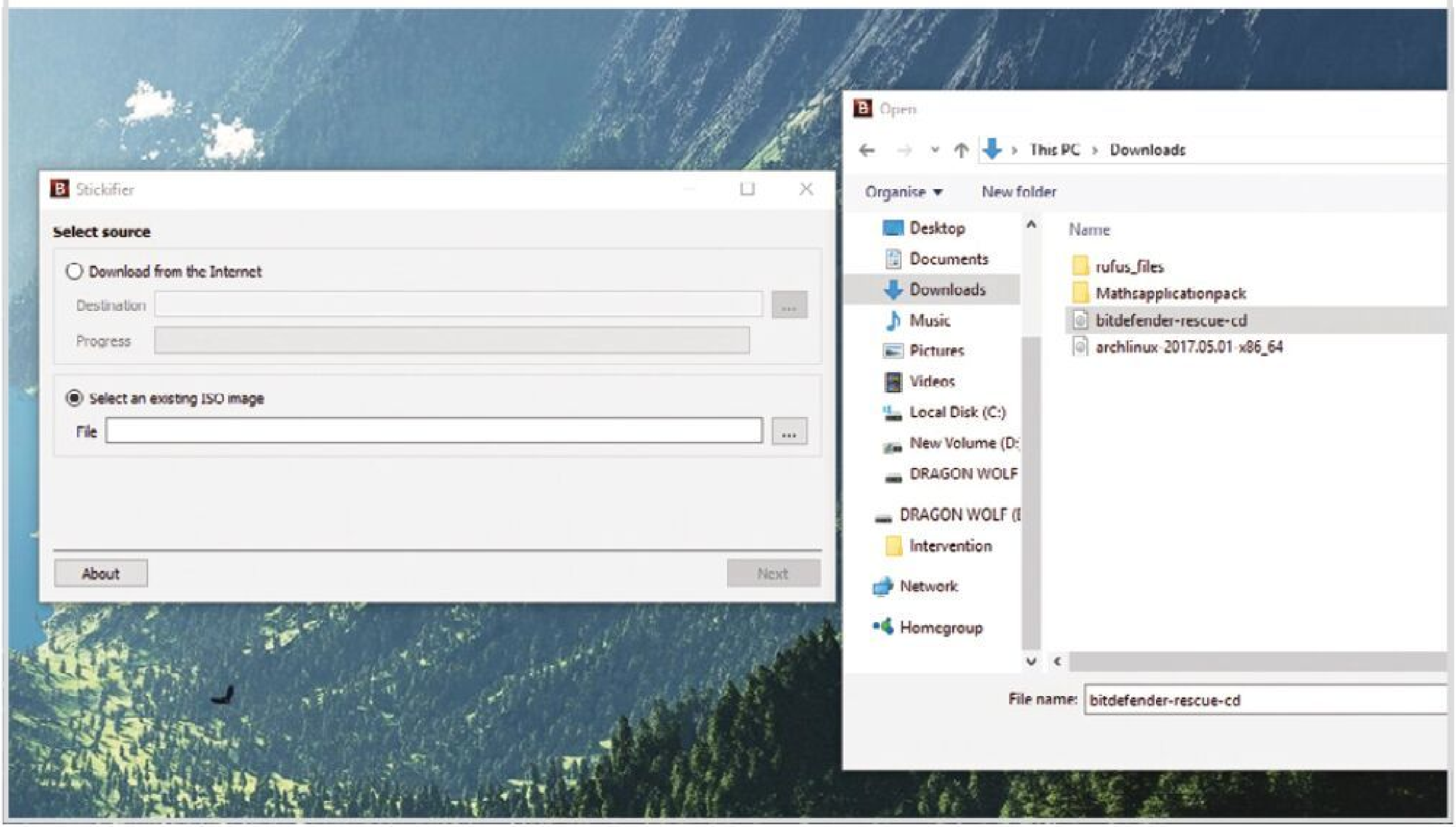
What should Firefox do with this file?

○ Open with Browse...

● Save File

☐ Do this automatically for files like this from now on.

2 To transfer the ISO to USB, download Stickifier, which is an executable that doesn't require any installation. Insert your USB stick and double-click Stickifier. Click the Select an Existing ISO Image option followed by the three full-stops and using Windows Explorer, locate the downloaded Bitdefender Rescue ISO. Click the Open button to select the image and continue with the process.



Stickifier

Select source

○ Download from the Internet

Destination

Progress

● Select an existing ISO image

File

rufus_files

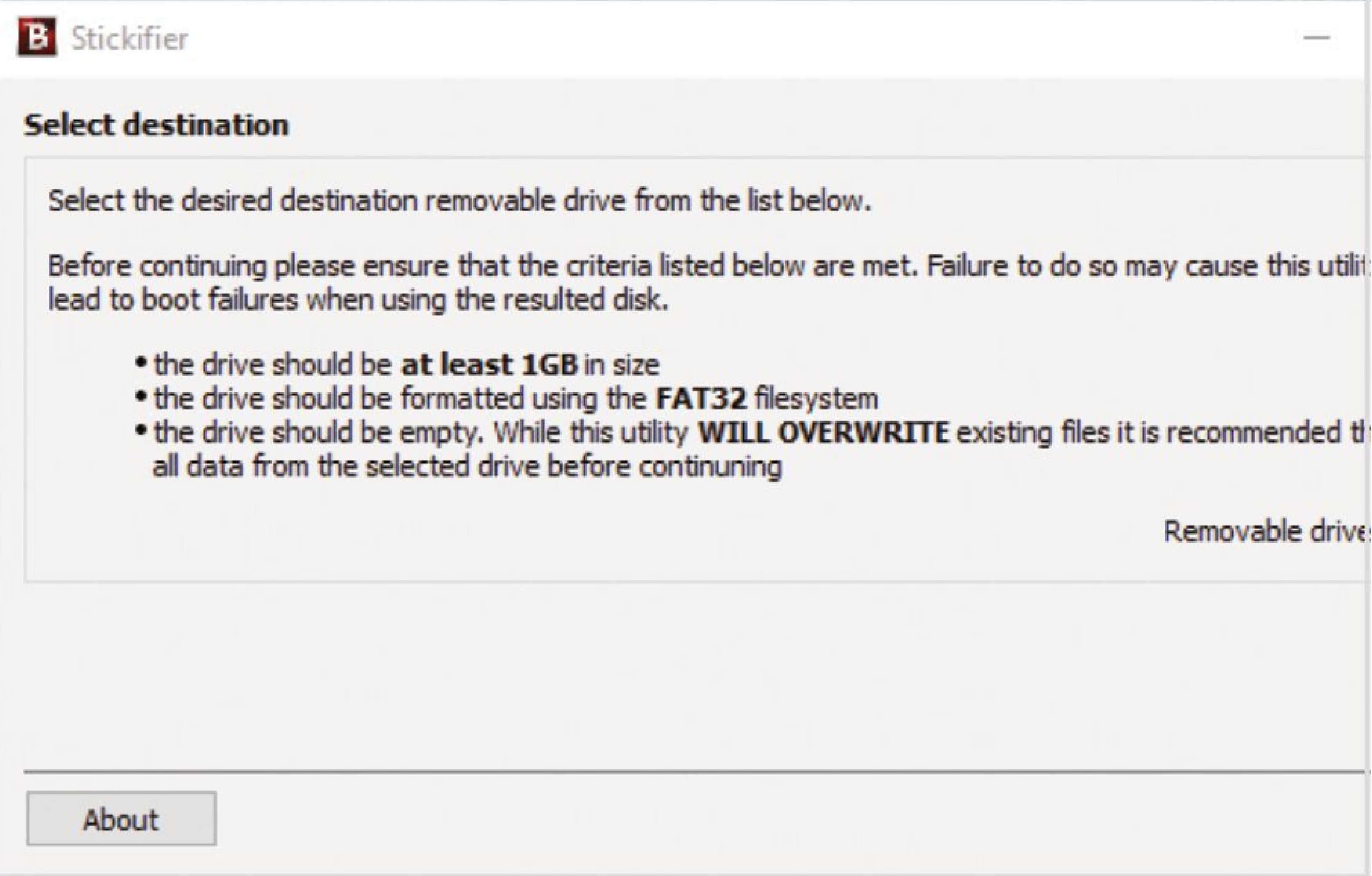
Mathsapplicationpack

bitdefender-rescue-cd

archlinux-2017.05.01-x86_64

File name: bitdefender-rescue-cd

3 Click the Next button and using the drop-down menu next to Removeable Drive choose the drive letter of your USB stick. Click Next to start the transfer of the image. Once the image is transferred, click the Finish button, remove the USB stick and power off your computer.



Stickifier

Select destination

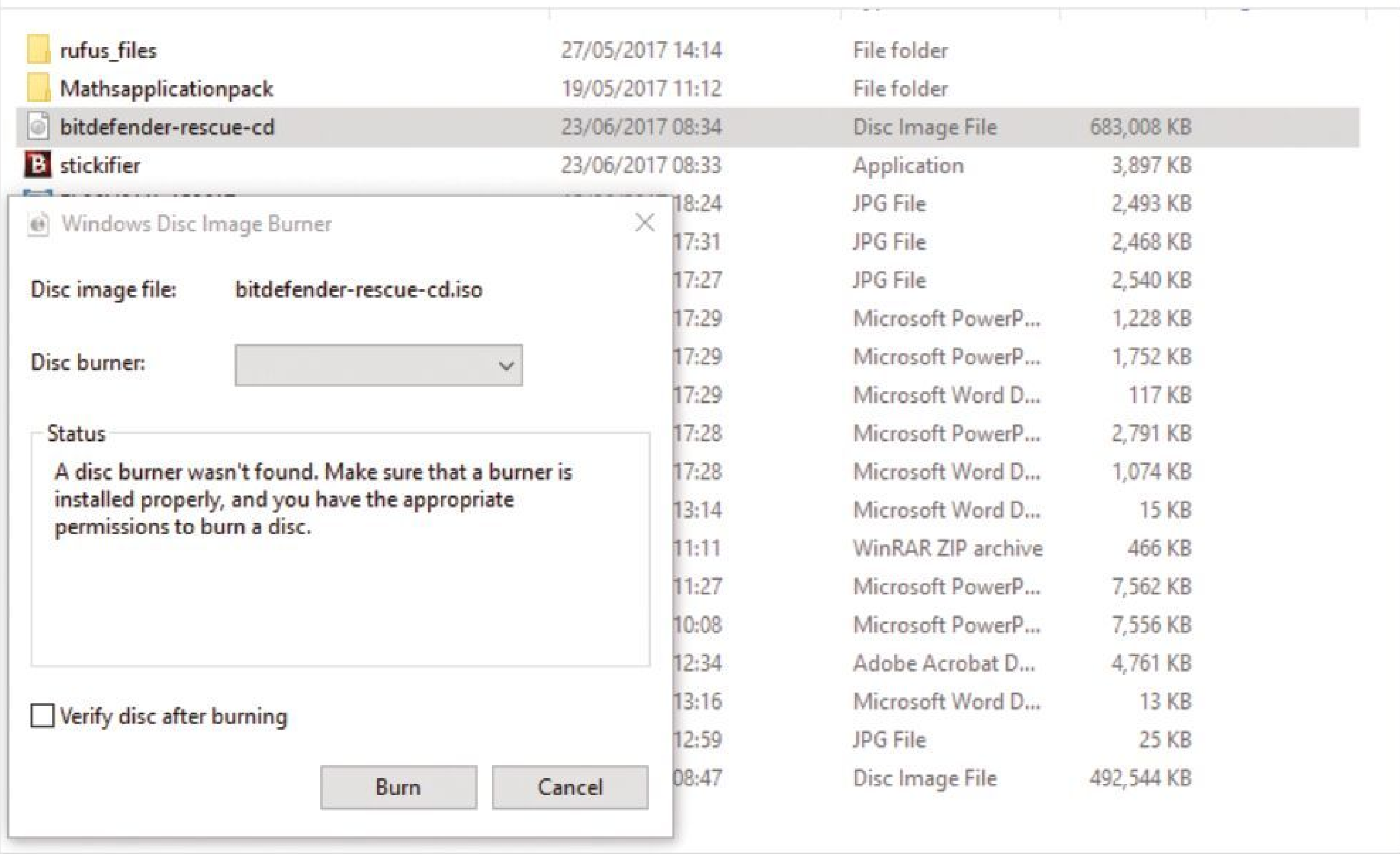
Select the desired destination removable drive from the list below.

Before continuing please ensure that the criteria listed below are met. Failure to do so may cause this utili lead to boot failures when using the resulted disk.

- the drive should be **at least 1GB** in size
- the drive should be formatted using the **FAT32** filesystem
- the drive should be empty. While this utility **WILL OVERWRITE** existing files it is recommended t all data from the selected drive before continuning

Removable drive

4 If you're using a CD, start by inserting the CD into the drive. Locate the downloaded Bitdefender Rescue ISO, right-click it and choose Burn Disc Image from the context menu. Tick the Verify disc after burning option and click the Burn button to start the process. Once the ISO is burnt to the disc, you can power off your computer.



rufus_files	27/05/2017 14:14	File folder	
Mathsapplicationpack	19/05/2017 11:12	File folder	
bitdefender-rescue-cd	23/06/2017 08:34	Disc Image File	683,008 KB
stickifier	23/06/2017 08:33	Application	3,897 KB
	18:24	JPG File	2,493 KB
	17:31	JPG File	2,468 KB
	17:27	JPG File	2,540 KB
	17:29	Microsoft PowerP...	1,228 KB
	17:29	Microsoft PowerP...	1,752 KB
	17:29	Microsoft Word D...	117 KB
	17:28	Microsoft PowerP...	2,791 KB
	17:28	Microsoft Word D...	1,074 KB
	13:14	Microsoft Word D...	15 KB
	11:11	WinRAR ZIP archive	466 KB
	11:27	Microsoft PowerP...	7,562 KB
	10:08	Microsoft PowerP...	7,556 KB
	12:34	Adobe Acrobat D...	4,761 KB
	13:16	Microsoft Word D...	13 KB
	12:59	JPG File	25 KB
	08:47	Disc Image File	492,544 KB

Windows Disc Image Burner

Disc image file: bitdefender-rescue-cd.iso

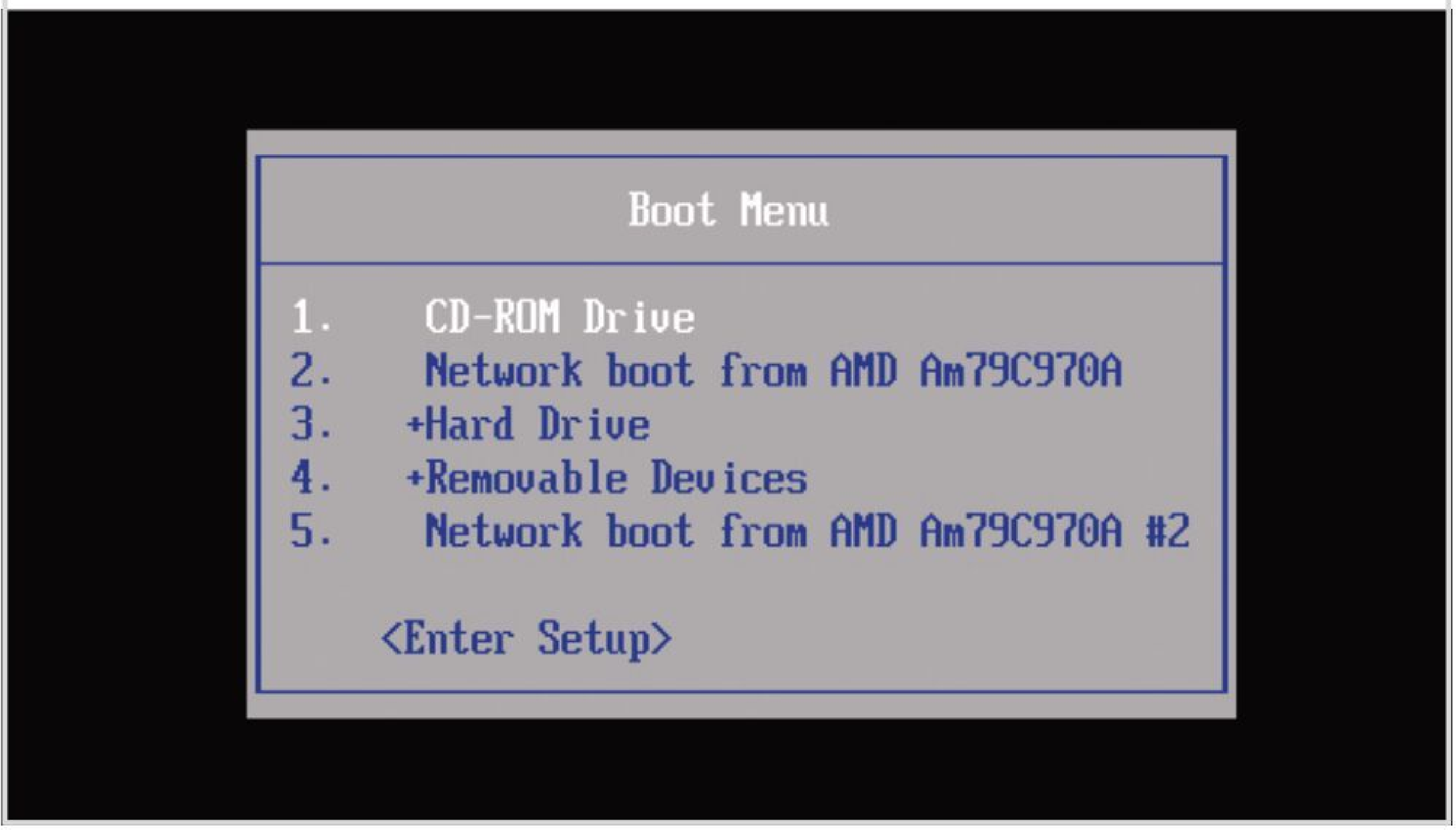
Disc burner:

Status

A disc burner wasn't found. Make sure that a burner is installed properly, and you have the appropriate permissions to burn a disc.

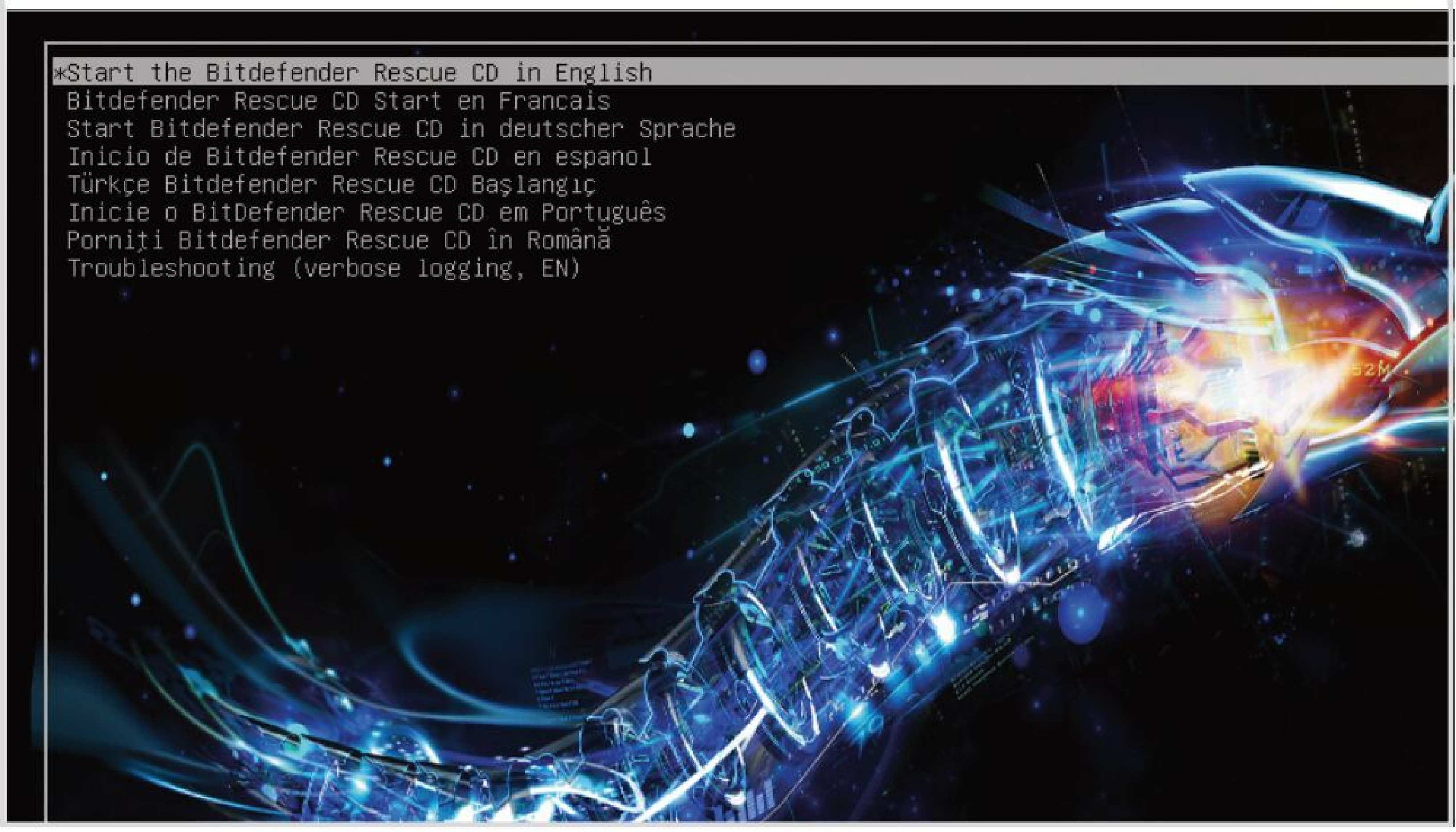
☐ Verify disc after burning

5 You now need to allow your PC to boot up into the Bitdefender Rescue CD environment. Power up your PC and open the Boot Option Menu; this could be accessed by pressing F12, depending on the make and manufacturer of your PC motherboard. With the boot options available, select either the CD or USB stick and press Enter.



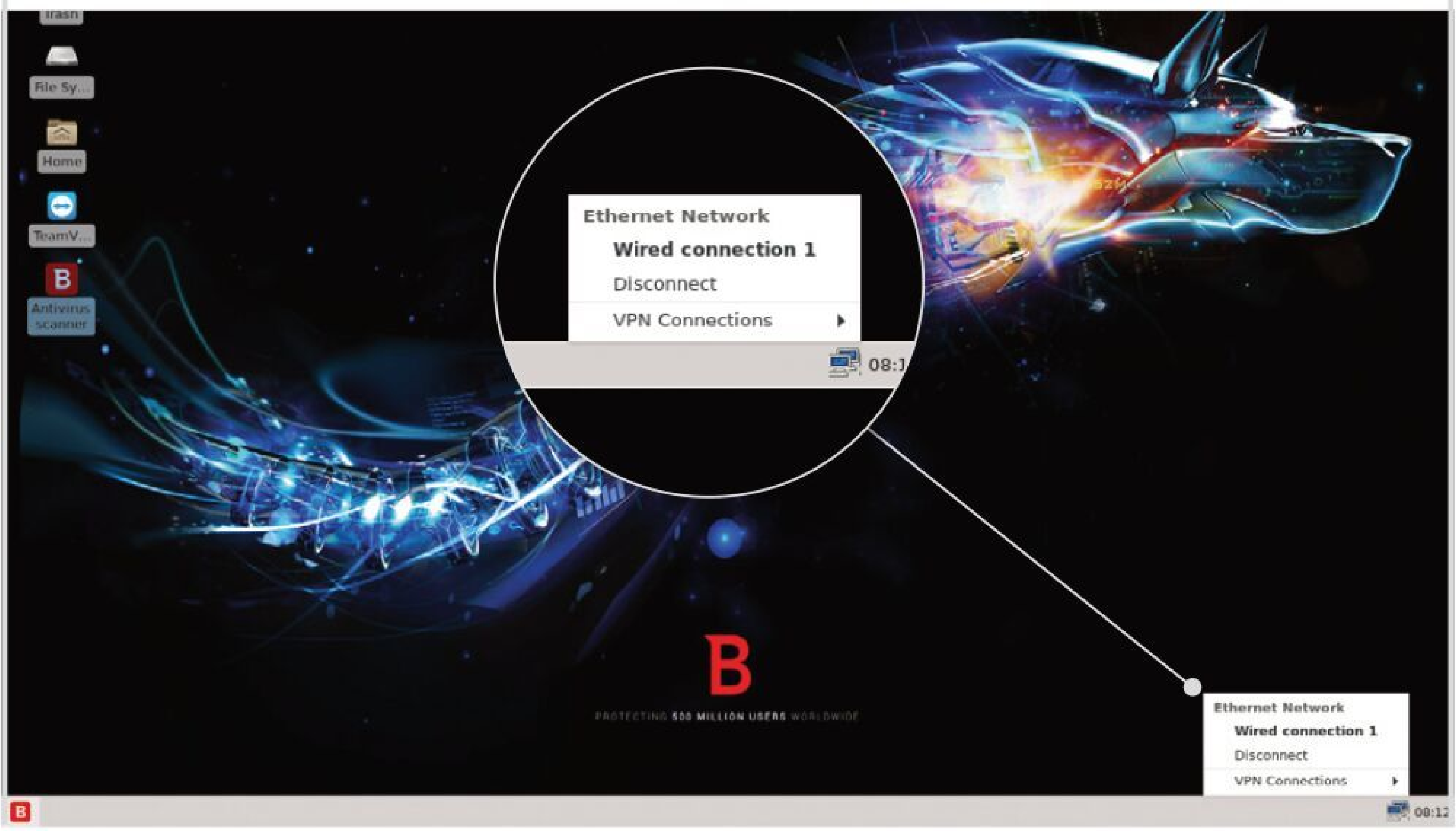
```
Boot Menu

1.   CD-ROM Drive
2.   Network boot from AMD Am79C970A
3.  +Hard Drive
4.  +Removable Devices
5.   Network boot from AMD Am79C970A #2

   <Enter Setup>
```

6 The PC will now boot into the Bitdefender Rescue Disc environment. This is a custom Linux operating system with all the necessary Bitdefender security tools preinstalled. First, you need to choose which language to load the environment. Use the arrow keys and press Enter for your language choice.

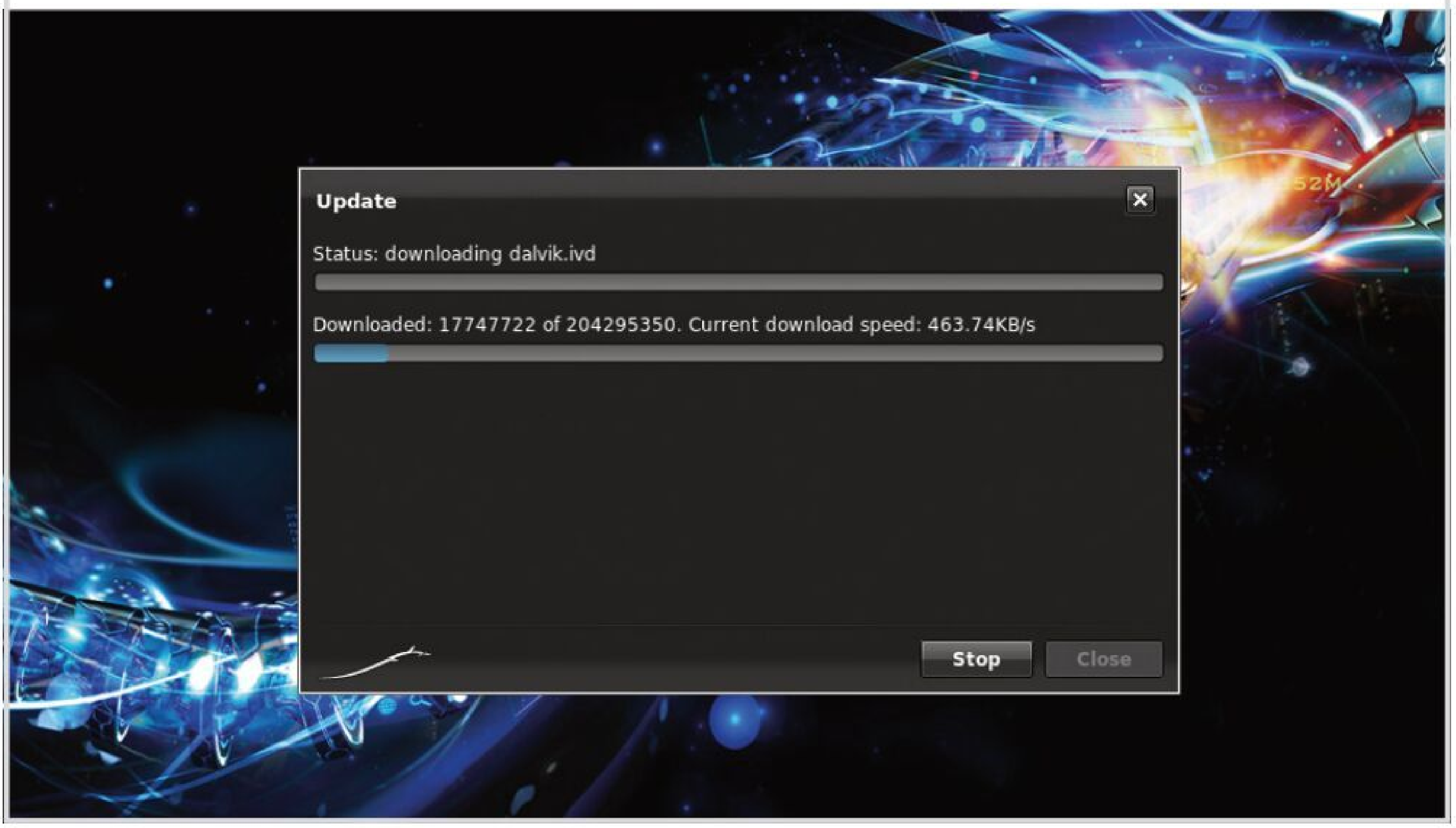


```
*Start the Bitdefender Rescue CD in English
 Bitdefender Rescue CD Start en Francais
 Start Bitdefender Rescue CD in deutscher Sprache
 Inicio de Bitdefender Rescue CD en espanol
 Türkçe Bitdefender Rescue CD Başlangıç
 Inicie o BitDefender Rescue CD em Português
 Porniți Bitdefender Rescue CD în Română
 Troubleshooting (verbose logging, EN)
```

7 Ideally you should use a wired Internet connection but if you're on wireless, click on the network icon in the bottom right of the desktop to establish a connection with your router. Once you're connected to the Internet, double-click the red Bitdefender icon on the desktop, labelled Antivirus Scanner.


File Sy...
Home
TeamV...
Antivirus scanner
Ethernet Network
Wired connection 1
Disconnect
VPN Connections
08:1
PROTECTING 500 MILLION USERS WORLDWIDE
Ethernet Network
Wired connection 1
Disconnect
VPN Connections
08:12

8 You need to accept the license agreement notification first, so tick the 'I agree' box, followed by the Continue button. The virus scanning software will then start to automatically update itself with the latest virus definitions from the Bitdefender servers. The process won't take too long, so let it run through the update.

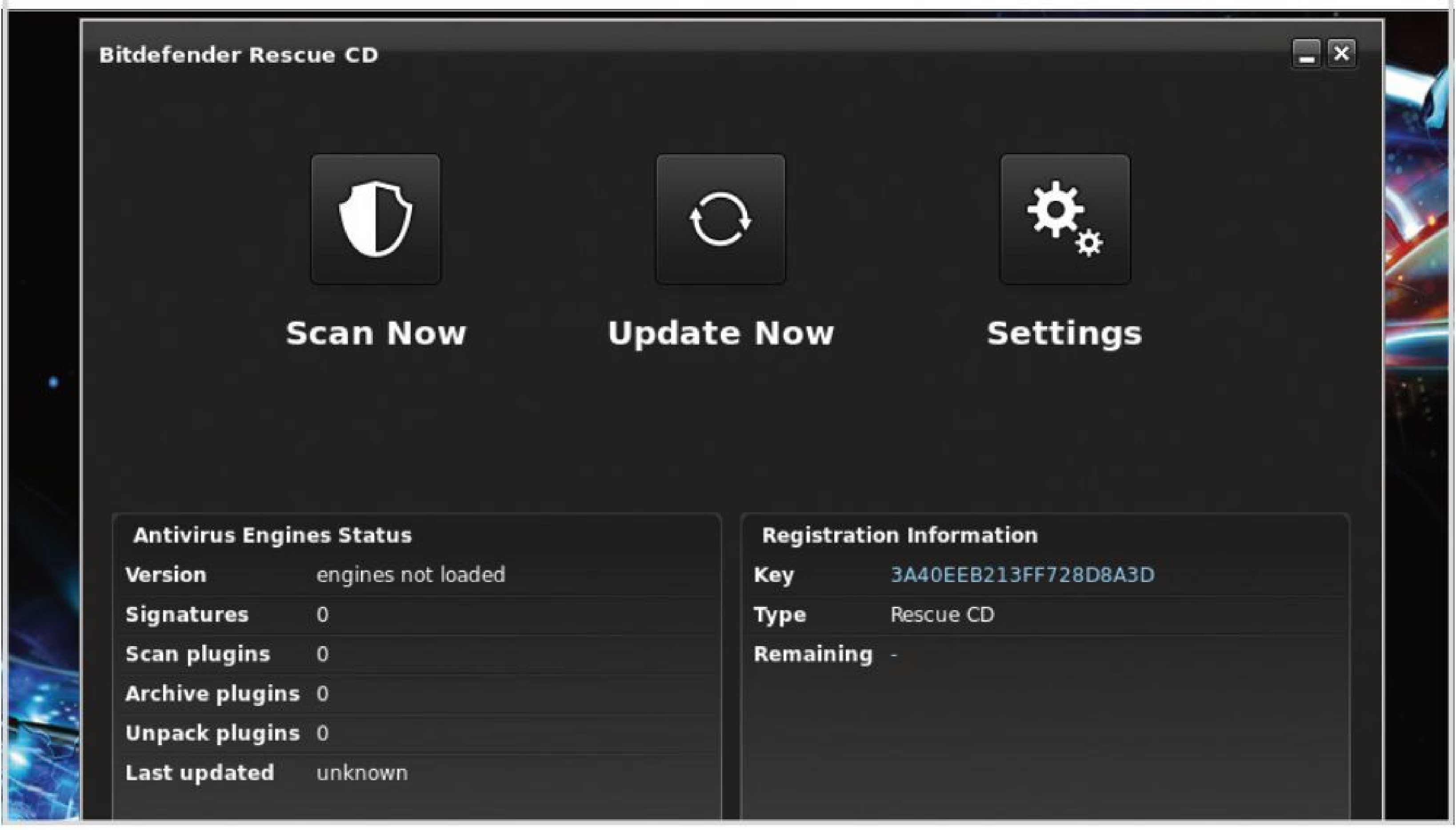


Update

Status: downloading dalvik.ivd

Downloaded: 17747722 of 204295350. Current download speed: 463.74KB/s

9 Once the update is complete you're taken to the main Bitdefender Rescue CD antivirus interface. The three main options: Scan Now, Update Now and Settings are fairly self-explanatory; the Settings allows you to set a few more options regarding the scan but the defaults will suffice.



Bitdefender Rescue CD
Scan Now
Update Now
Settings

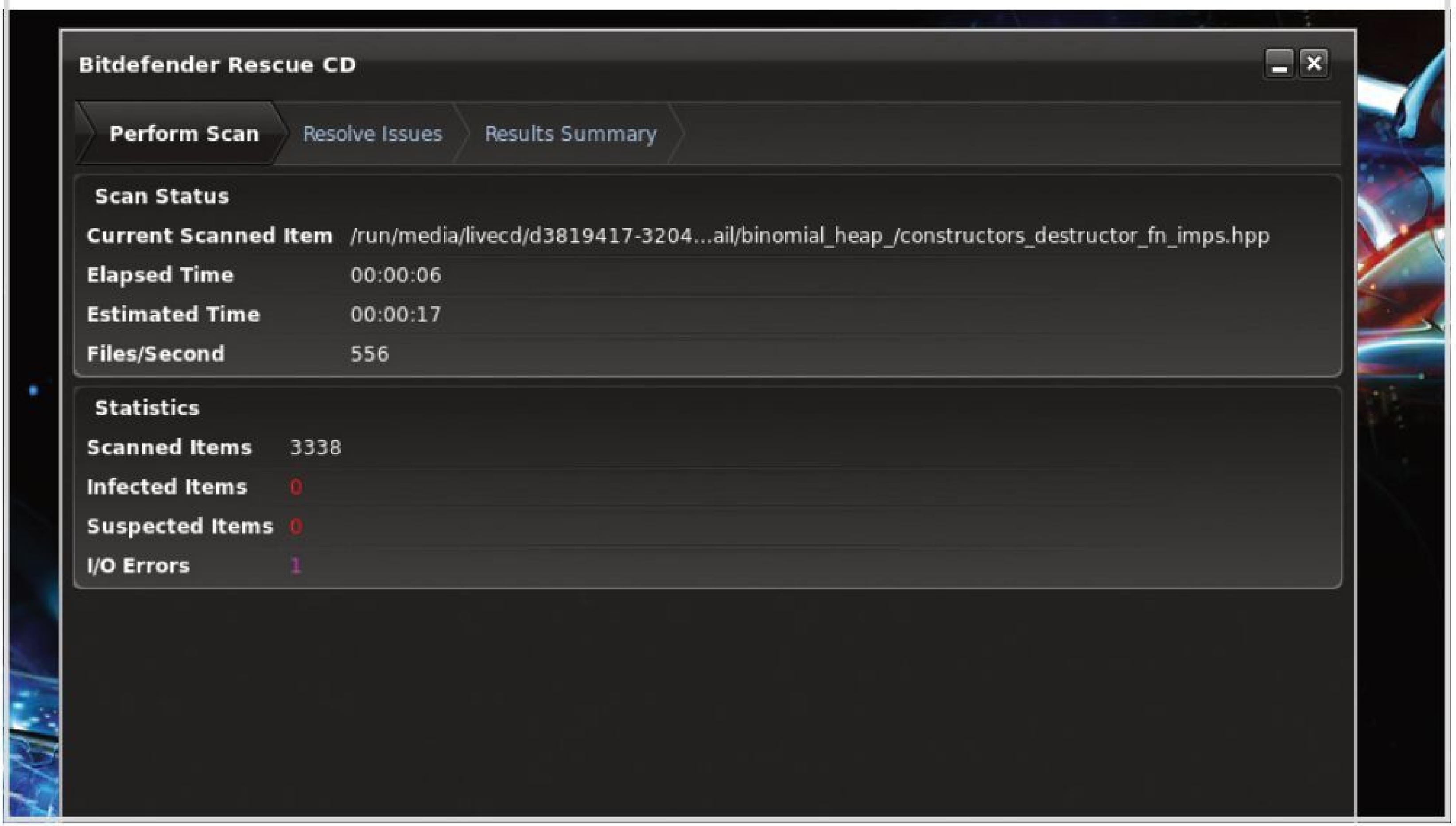
Antivirus Engines Status

Version	engines not loaded
Signatures	0
Scan plugins	0
Archive plugins	0
Unpack plugins	0
Last updated	unknown

Registration Information

Key	3A40EEB213FF728D8A3D
Type	Rescue CD
Remaining	-

10 To remove a virus on your PC, click on the Scan Now button. Select the drive you wish to scan and click the Open button to commence scanning the system. Any viruses found will be detailed along with options for removal. The process may take some time, so be prepared for a lengthy wait.



Bitdefender Rescue CD
Perform Scan
Resolve Issues
Results Summary

Scan Status

Current Scanned Item	/run/media/livecd/d3819417-3204...ail/binomial_heap_/constructors_destructor_fn_imps.hpp
Elapsed Time	00:00:06
Estimated Time	00:00:17
Files/Second	556

Statistics

Scanned Items	3338
Infected Items	0
Suspected Items	0
I/O Errors	1

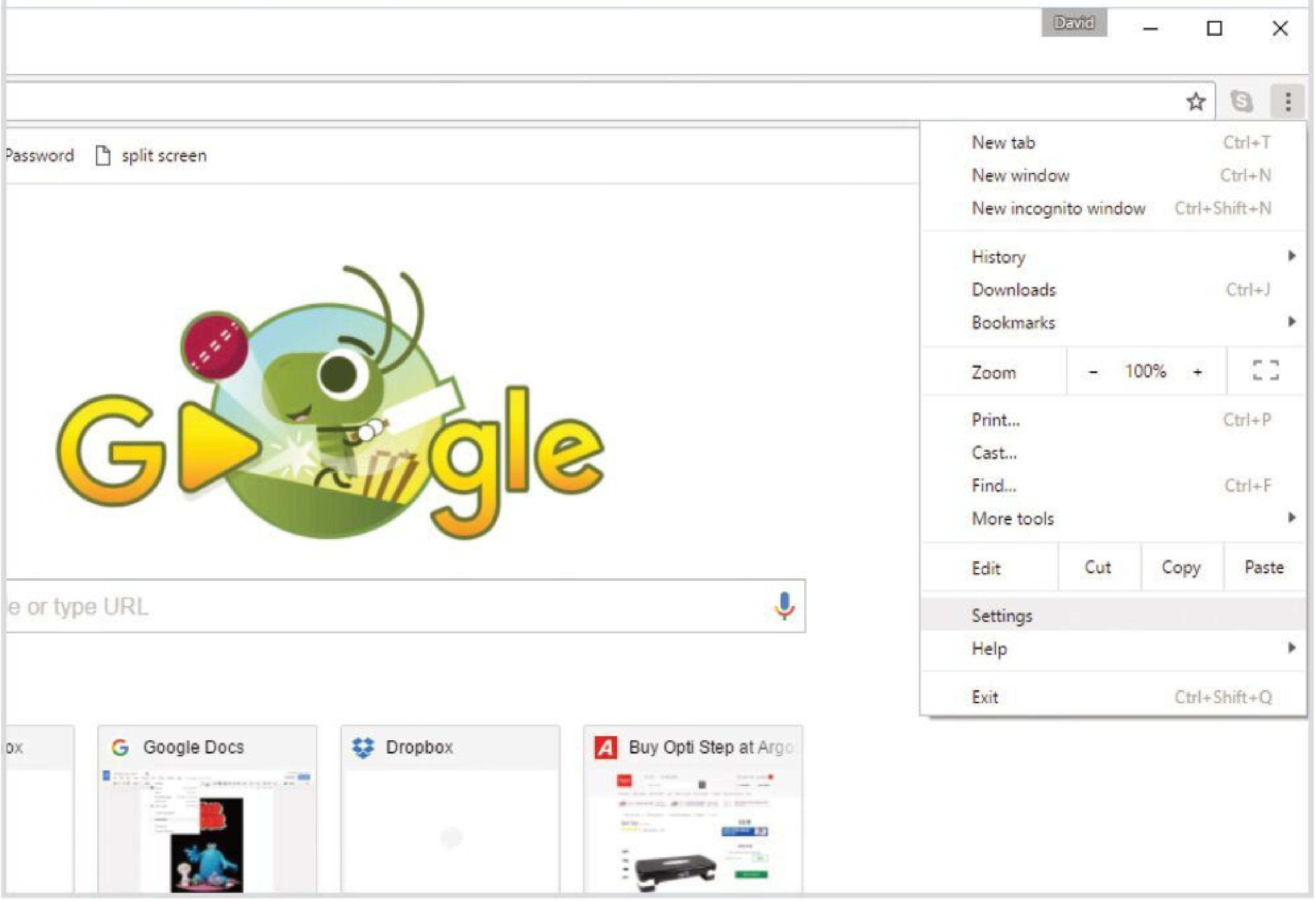
Secure Your Web Browser

The web browser is possibly the weakest link in the entire Windows 10 security chain. It's the software product that's on the front line, the one that will inevitably bear the brunt of any Internet attacks and as such, attackers focus a lot of effort on making the browser a portal into your system.

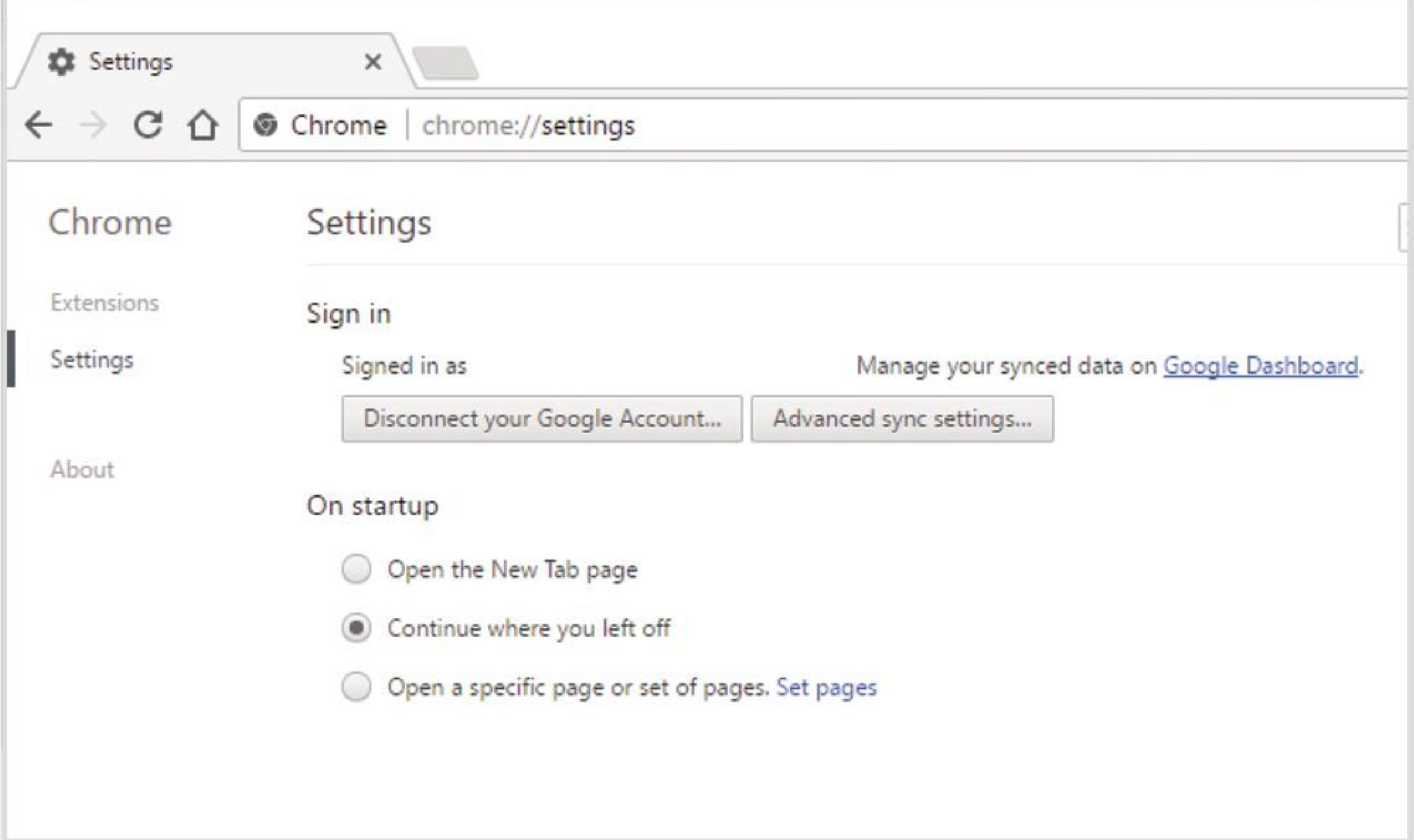
Safer Surfing

Securing your web browser isn't too difficult. There are plenty of options available, including some third-party add-ons you can use to improve things. For this tutorial, we're using Chrome.

1 Start by opening Chrome and clicking on the three vertical dots in the top right of the browser window. This is the link to the available options; from the list choose Settings.


David
Password
split screen
New tab Ctrl+T
New window Ctrl+N
New incognito window Ctrl+Shift+N
History
Downloads Ctrl+J
Bookmarks
Zoom – 100% +
Print... Ctrl+P
Cast...
Find... Ctrl+F
More tools
Edit Cut Copy Paste
Settings
Help
Exit Ctrl+Shift+Q
e or type URL
Google Docs
Dropbox
Buy Opti Step at Argo

2 It's generally recommended that you sign into Chrome using a Google account, as this can greatly improve the overall security of the browser. For example, when you sign in, click on the Advanced Sync Settings button, found under the Sign In section of Settings, and the first option available.


Settings
Chrome chrome://settings
Chrome
Extensions
Settings
About
Settings
Sign in
Disconnect your Google Account...
Advanced sync settings...
On startup

Signed in as

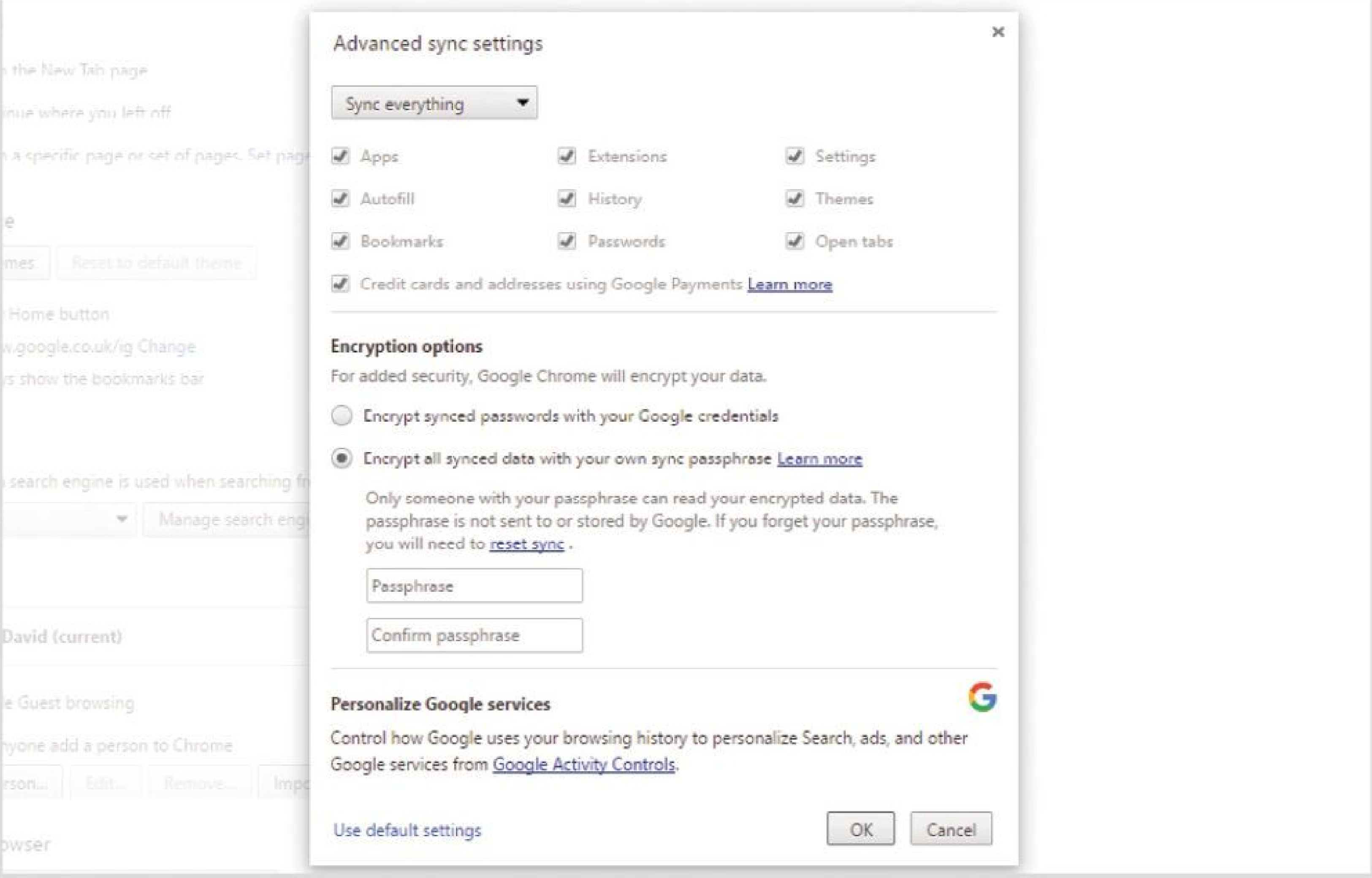
Manage your synced data on Google Dashboard.

○ Open the New Tab page

● Continue where you left off

○ Open a specific page or set of pages. Set pages

3 With the Advanced Sync Settings box open, select the option for Encrypt all synced data with your own sync passphrase. Enter a secure, memorable passphrase in the boxes provided and this will enhance the security of all data synced between Chrome and the Internet.


Advanced sync settings
Use default settings
OK
Cancel

Sync everything

☑ Apps ☑ Extensions ☑ Settings

☑ Autofill ☑ History ☑ Themes

☑ Bookmarks ☑ Passwords ☑ Open tabs

☑ Credit cards and addresses using Google Payments Learn more

Encryption options

For added security, Google Chrome will encrypt your data.

○ Encrypt synced passwords with your Google credentials

● Encrypt all synced data with your own sync passphrase Learn more

Only someone with your passphrase can read your encrypted data. The passphrase is not sent to or stored by Google. If you forget your passphrase, you will need to reset sync .

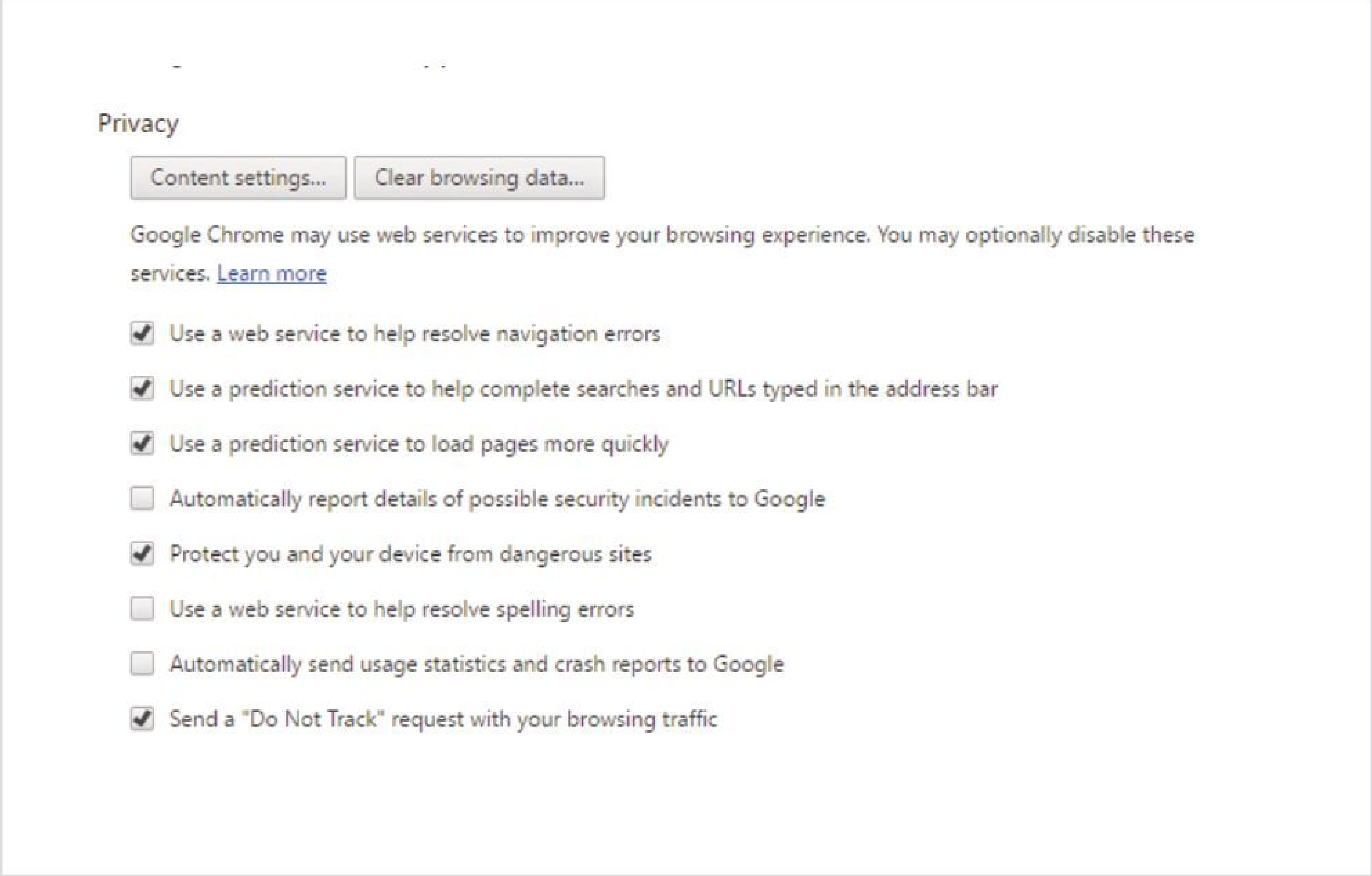
Passphrase

Confirm passphrase

Personalize Google services

Control how Google uses your browsing history to personalize Search, ads, and other Google services from Google Activity Controls.

4 Look to the bottom of the Settings page and click the link for Show Advanced Settings. The first new section to appear under the Advanced settings is Privacy. Start by clicking on the Content Settings button.


Privacy
Content settings...
Clear browsing data...

Google Chrome may use web services to improve your browsing experience. You may optionally disable these services. Learn more

☑ Use a web service to help resolve navigation errors

☑ Use a prediction service to help complete searches and URLs typed in the address bar

☑ Use a prediction service to load pages more quickly

☐ Automatically report details of possible security incidents to Google

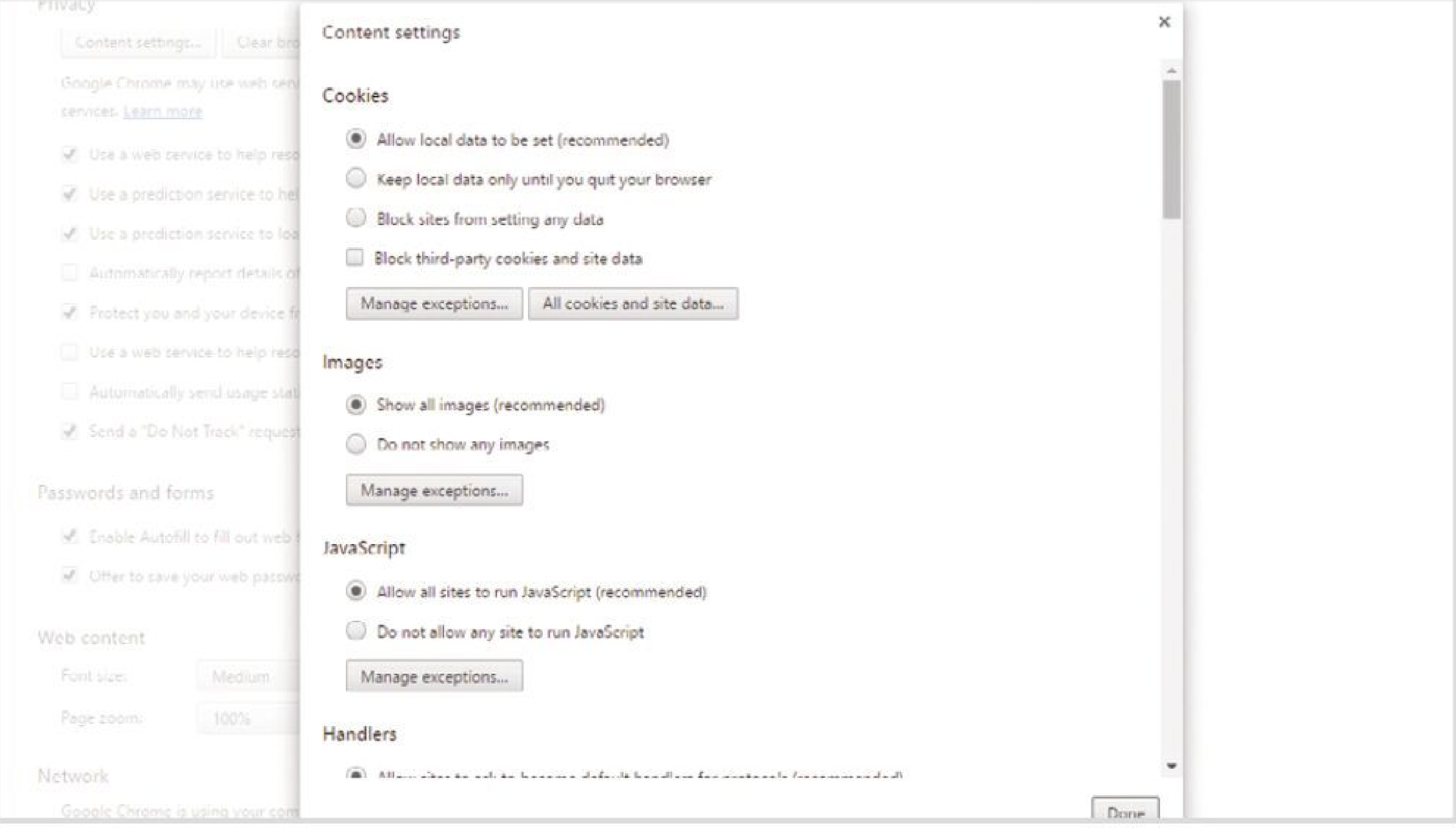
☑ Protect you and your device from dangerous sites

☐ Use a web service to help resolve spelling errors

☐ Automatically send usage statistics and crash reports to Google

☑ Send a "Do Not Track" request with your browsing traffic

5 Content Settings allows a greater degree of control over Cookies, JavaScript, Flash, Pop-ups, your computer's microphone and even the webcam. It's an extensive list so we can't go into all the options within this limited space. For maximum security, disable JavaScript and Flash and make sure the mic and webcam are protected too.


Content settings

Cookies

● Allow local data to be set (recommended)

○ Keep local data only until you quit your browser

○ Block sites from setting any data

☐ Block third-party cookies and site data

Images

● Show all images (recommended)

○ Do not show any images

JavaScript

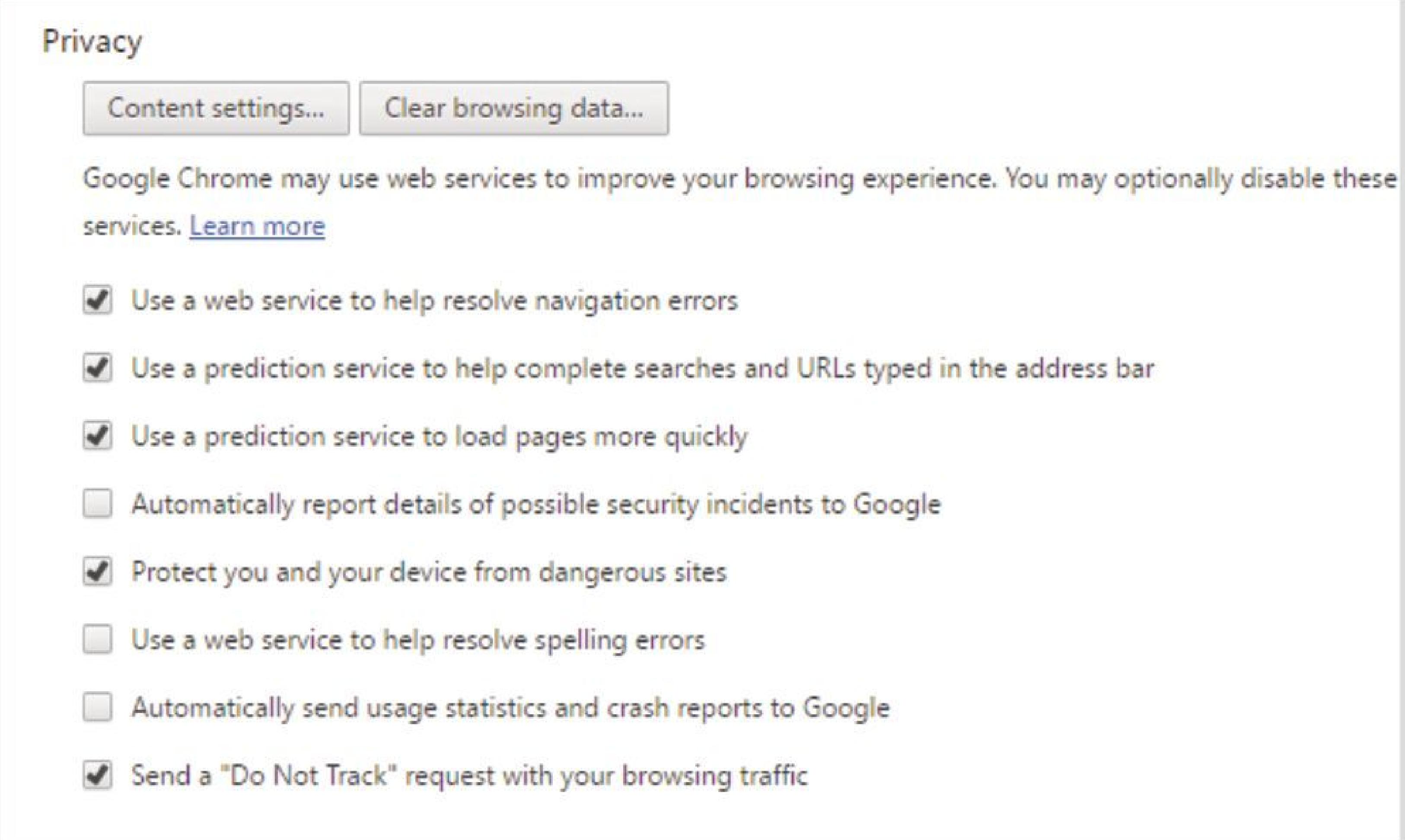
● Allow all sites to run JavaScript (recommended)

○ Do not allow any site to run JavaScript

Handlers

×
Manage exceptions...
All cookies and site data...
Manage exceptions...
Manage exceptions...
Done

6 Click the Done button when you're finished with Content Settings, to return you to the Chrome Settings page. While still in Privacy, ensure the last option, Send a "Do Not Track" request, is ticked. This will stop any tracking elements from monitoring your browsing activities.


Privacy

Google Chrome may use web services to improve your browsing experience. You may optionally disable these services. Learn more

☑ Use a web service to help resolve navigation errors

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☑ Protect you and your device from dangerous sites

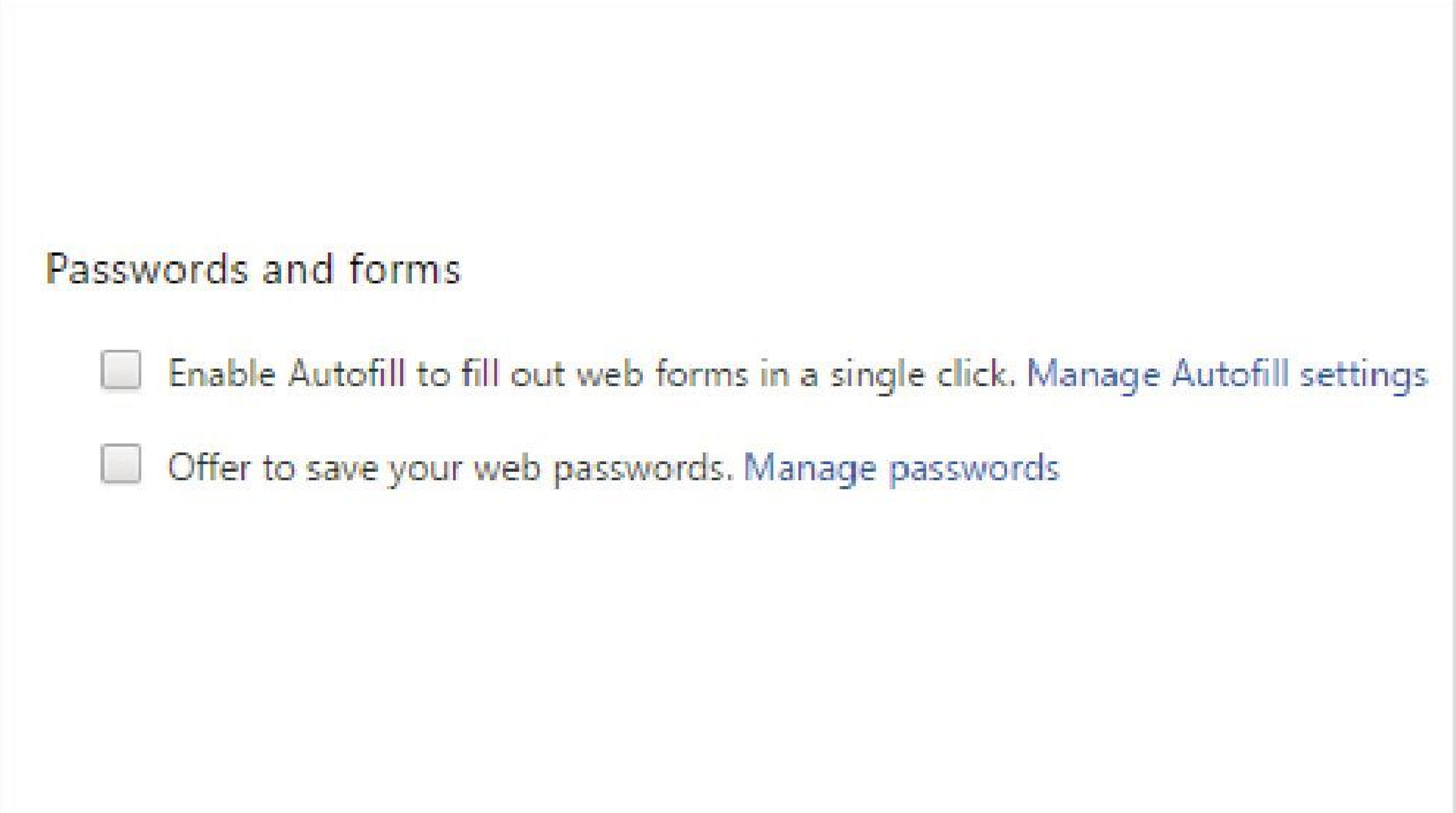
☐ Use a web service to help resolve spelling errors

☐ Automatically send usage statistics and crash reports to Google

☑ Send a "Do Not Track" request with your browsing traffic

Content settings...
Clear browsing data...

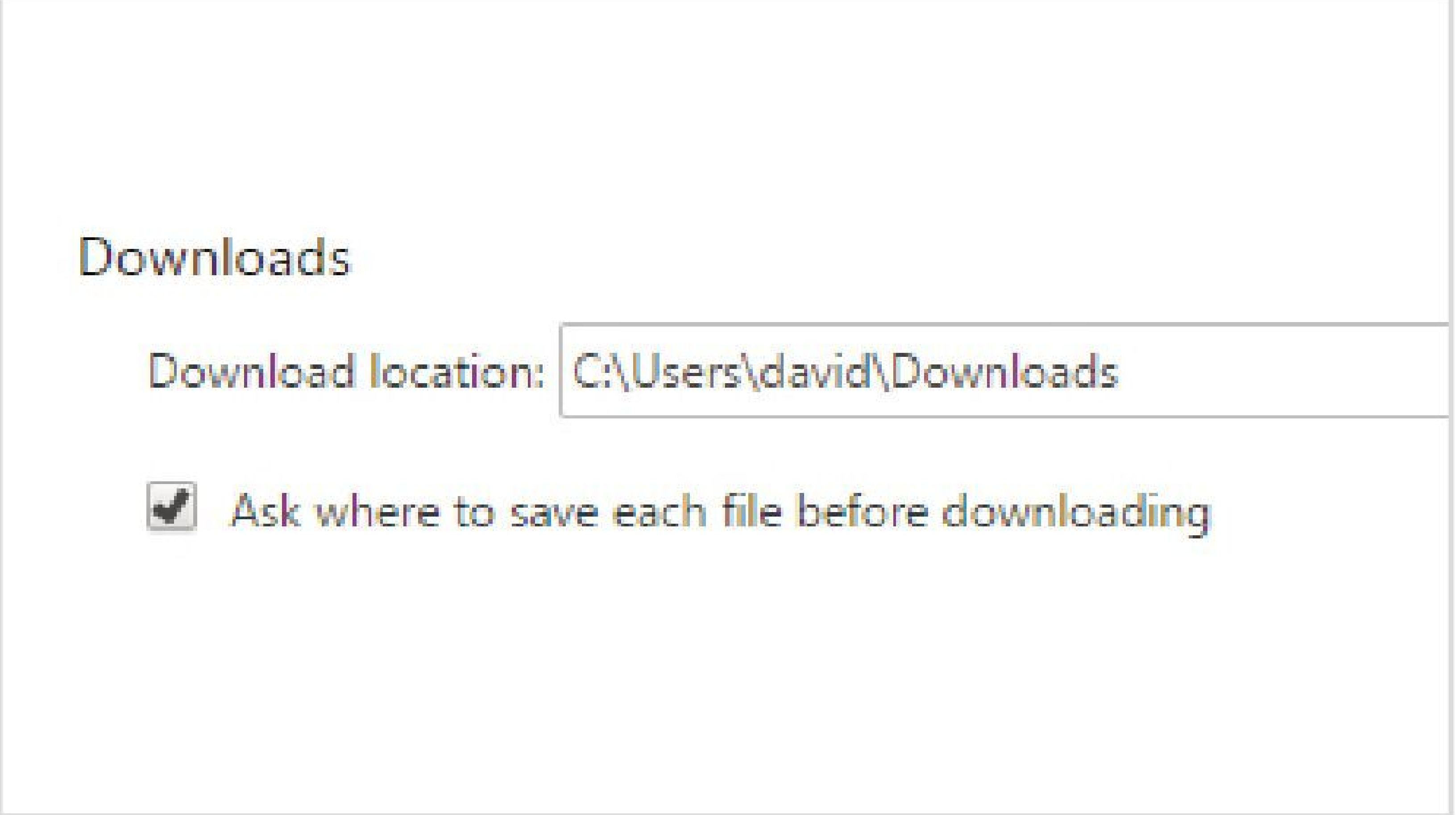
7 Just under the previous step's tick box, it's also recommended that you untick the two Passwords and Forms boxes that offer to enable Autofill and Save your Passwords. Whilst it's a pain to constantly enter passwords, this will stop any hijack Chrome attacks from gaining your usernames and passwords.


Passwords and forms

☐ Enable Autofill to fill out web forms in a single click. Manage Autofill settings

☐ Offer to save your web passwords. Manage passwords

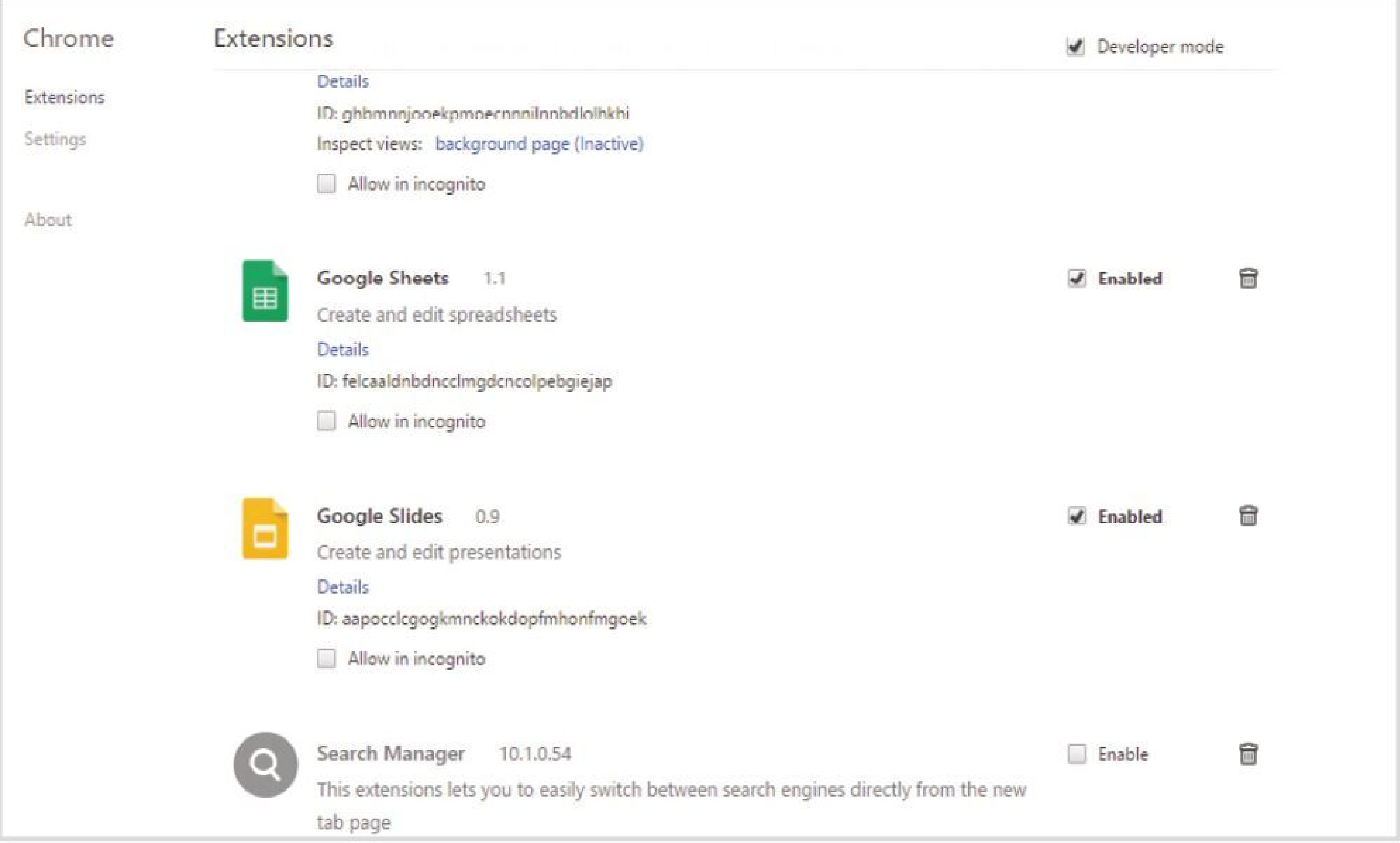
8 Under the Downloads section, it's an idea to tick the box Ask where to save each file before downloading. Again this can be a bit of a pain for the user; however it stops malicious background downloads from infecting your system, giving you more control and the ability to stop the process.


Downloads

Download location: C:\Users\david\Downloads

☑ Ask where to save each file before downloading

9 To the left of the Chrome Settings page you can see links for Extensions, Settings and About. Click the Extensions link and with the Extensions page open, scroll down to the bottom and click the Get More Extensions link.


Chrome

Extensions

☑ Developer mode

Details

ID: ghbmnnjooekpmoecnnnilnnbdlolhkhi

Inspect views: background page (Inactive)

☐ Allow in incognito

Google Sheets 1.1 ☑ Enabled

Create and edit spreadsheets

Details

ID: felcaaldnbdncclmgdcncolpebgiejap

☐ Allow in incognito

Google Slides 0.9 ☑ Enabled

Create and edit presentations

Details

ID: aapocclcgogkmnckokdopfmhonfmgoek

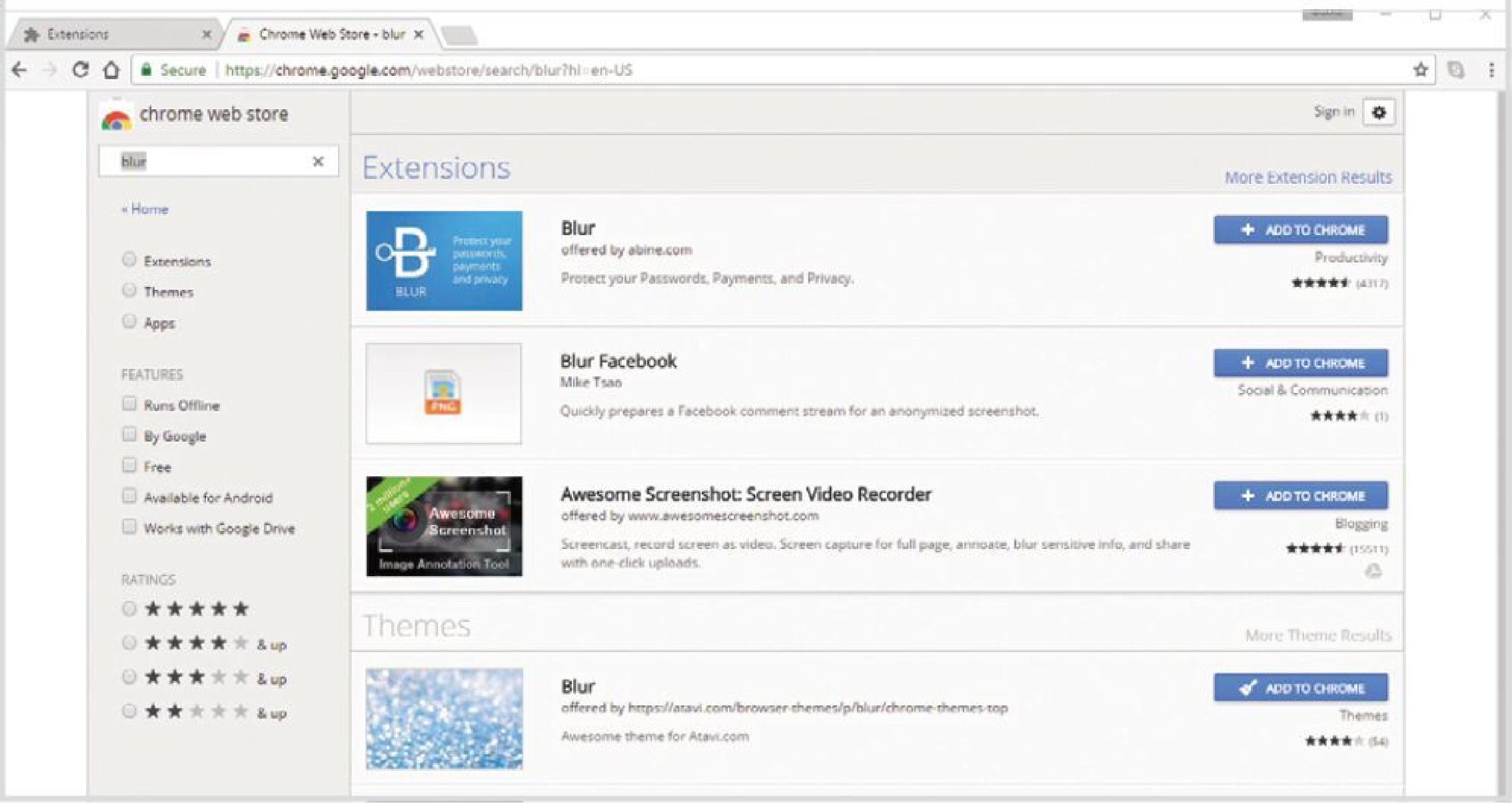
☐ Allow in incognito

Search Manager 10.1.0.54 ☐ Enable

This extensions lets you to easily switch between search engines directly from the new tab page

Extensions
Settings
About

10 With the Chrome Web Store launched, via the Extensions link, search for Adblock Plus. Within the results, click on the Add to Chrome button on the first option for Adblock Plus. This will install an advertising blocker within Chrome, securing you from any threats from Internet advertising. Do the same for Blur (an anti-tracking add-on) and HTTPS Everywhere.


Secure | https://chrome.google.com/webstore/search/blur?hl=en-US

chrome web store

blur

Extensions

Blur
offered by abine.com
Protect your Passwords, Payments, and Privacy.
Productivity ★★★★★ (4317)

Blur Facebook
Mike Tsao
Quickly prepares a Facebook comment stream for an anonymized screenshot.
Social & Communication ★★★★☆ (1)

Awesome Screenshot: Screen Video Recorder
offered by www.awesomescreenshot.com
Screencast, record screen as video. Screen capture for full page, annoate, blur sensitive info, and share with one-click uploads.
Blogging ★★★★★ (15511)

Themes

Blur
offered by https://atavi.com/browser-themes/p/blur/chrome-themes-top
Awesome theme for Atavi.com
Themes ★★★★☆ (54)

Extensions
Chrome Web Store - blur
Sign in
« Home
Extensions
Themes
Apps
FEATURES
Runs Offline
By Google
Free
Available for Android
Works with Google Drive
RATINGS
& up
More Extension Results
More Theme Results
+ ADD TO CHROME
Protect your passwords, payments and privacy
BLUR
PNG
Awesome Screenshot
Image Annotation Tool

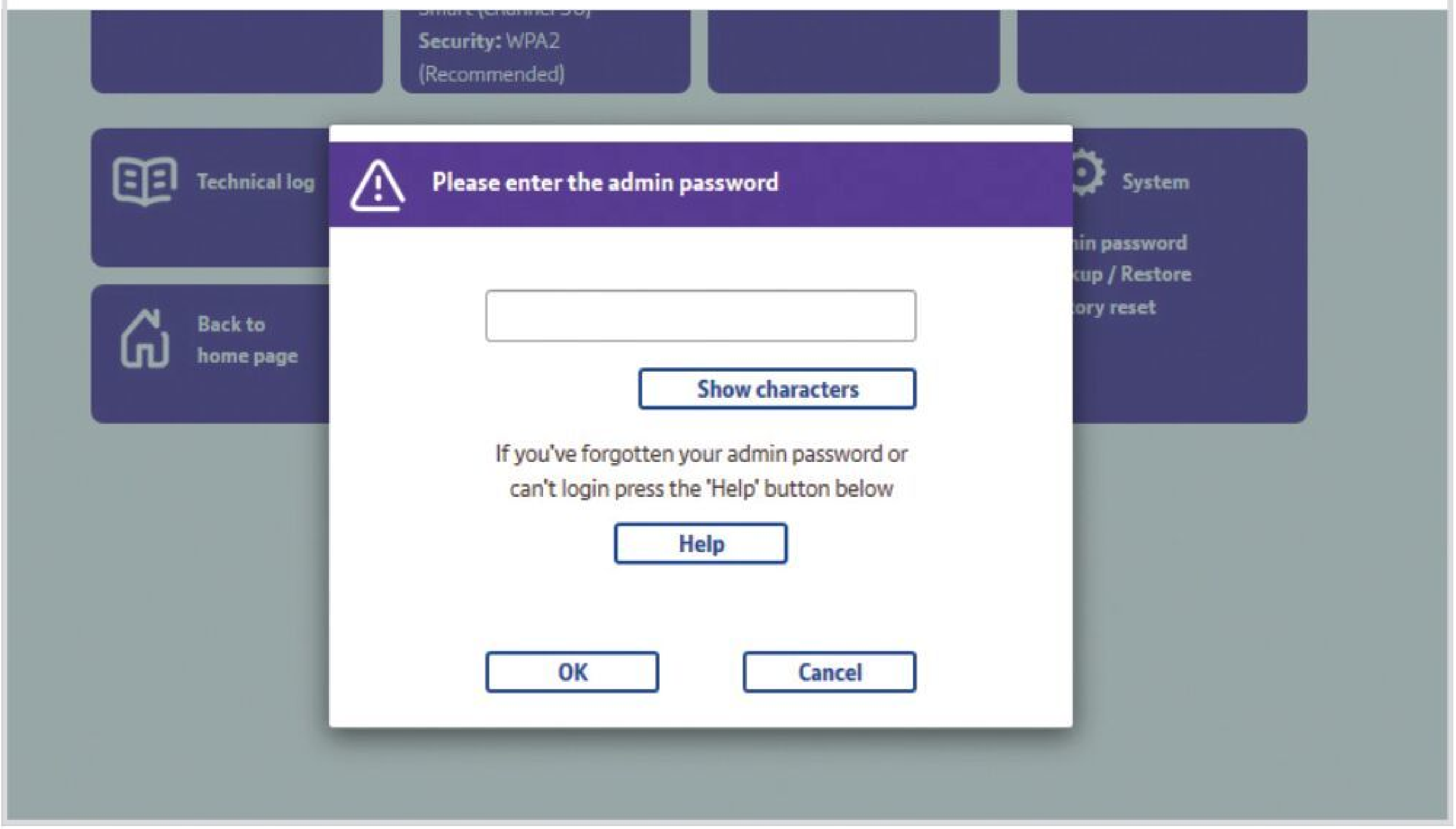
Secure Your Home Network

We've mentioned previously that an attack doesn't always come from the other side of the globe but can indeed be a little too close to home at times. Home network hacking is possible with the simplest of tools, available on the Internet, and often could just be tapping into a cable.

Network Protection

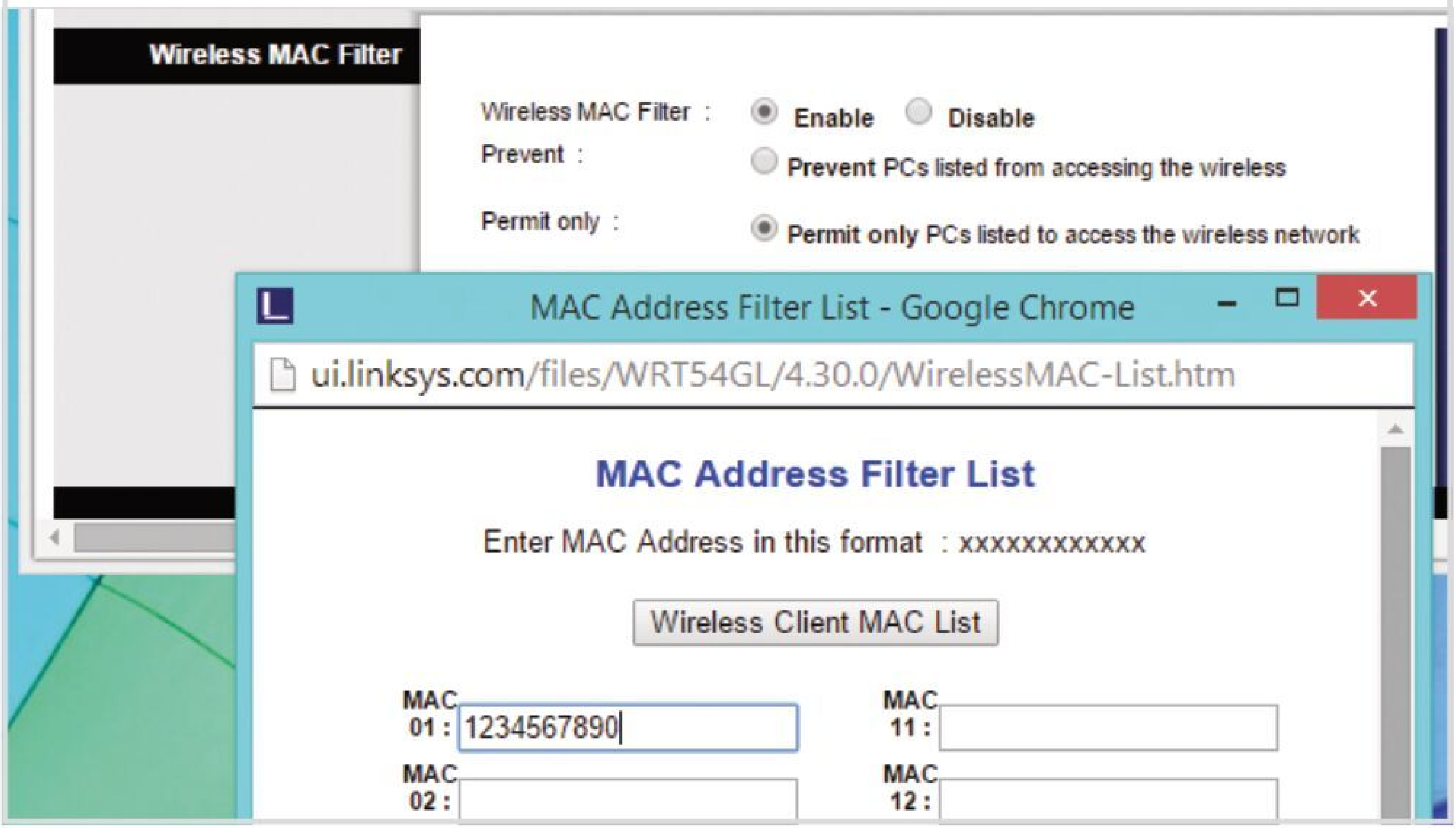
Without being too paranoid, it's remarkably easy to get into a neighbour's home network. If you live in a block of flats or you use powerline adapters, you may need to consider these ten steps for better network protection.

1 The most common entry point to gain access to your network is via the router. The router from your ISP may well be offering the latest forms of encryption but it doesn't take a genius to trawl the less reputable sections of the Internet to obtain a list of passwords. Therefore, change the default username and password needed to access it.


Security: WPA2
(Recommended)
Technical log
Back to
home page
System
in password
kup / Restore
ory reset
Please enter the admin password
Show characters
Help
OK
Cancel

If you've forgotten your admin password or can't login press the 'Help' button below

2 Most routers these days come with a form of authentication called MAC (Media Access Code) address filtering. Every networkable device, computers, tablets, games consoles, come with a unique MAC address. The filtering allows you to enter the MAC addresses of your devices, so only they can be used on your router. Consult your router documentation for more details.


Wireless MAC Filter
MAC Address Filter List - Google Chrome
Wireless Client MAC List

Wireless MAC Filter : ● Enable ○ Disable
Prevent : ○ Prevent PCs listed from accessing the wireless
Permit only : ● Permit only PCs listed to access the wireless network

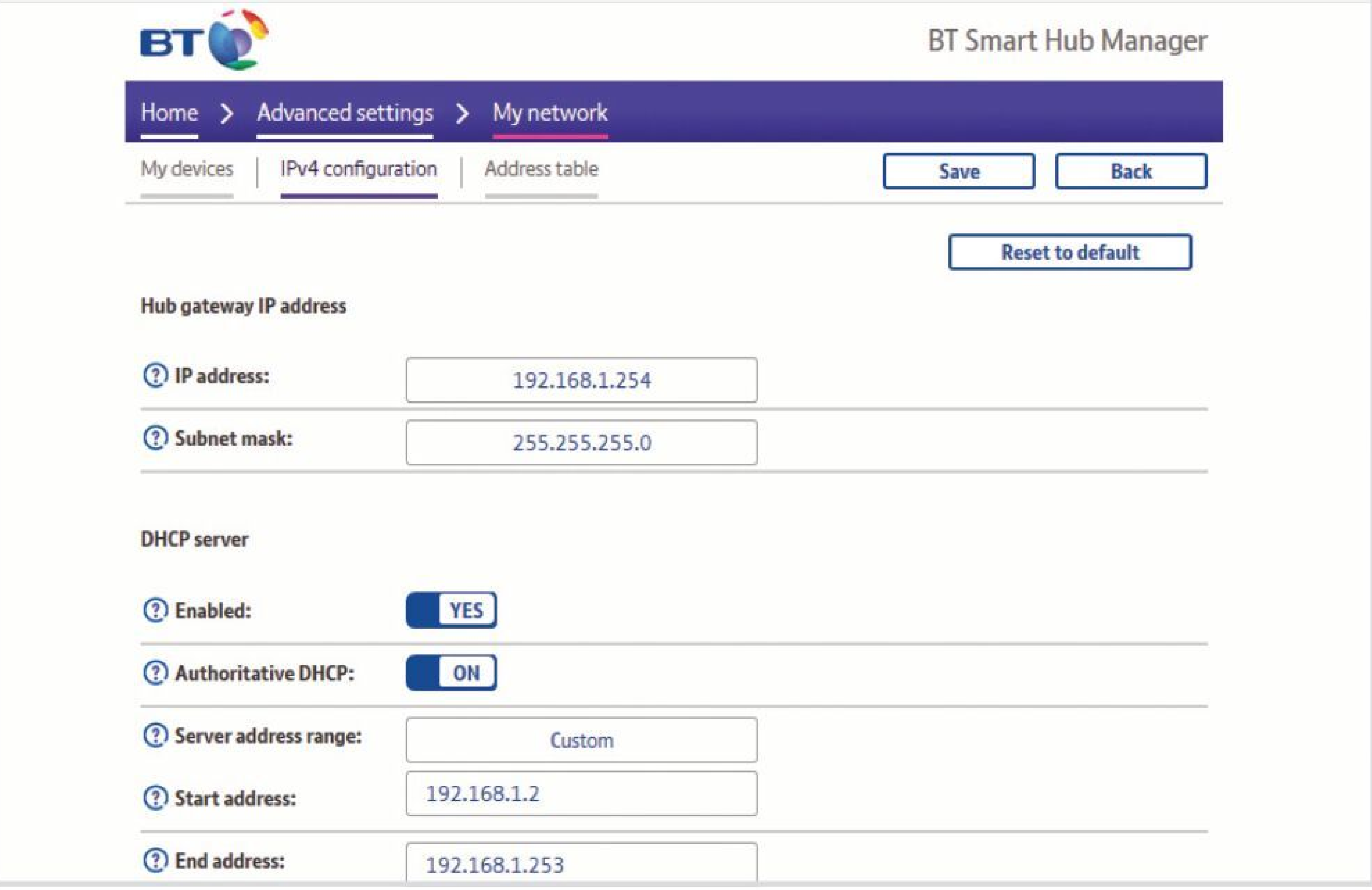
ui.linksys.com/files/WRT54GL/4.30.0/WirelessMAC-List.htm

MAC Address Filter List

Enter MAC Address in this format : xxxxxxxxxxxx

MAC 01 : 1234567890
MAC 11 :
MAC 02 :
MAC 12 :

3 It can be a pain but try disabling DHCP on your router and opting for static IP addresses. Every device that connects to a DHCP router will receive an IP address. By eliminating that you get to specify the address range available. It's not fool proof but it's worth considering.


BT
BT Smart Hub Manager
Home > Advanced settings > My network
My devices
IPv4 configuration
Address table
Save
Back
Reset to default

Hub gateway IP address

IP address: 192.168.1.254
Subnet mask: 255.255.255.0

DHCP server

Enabled: YES
Authoritative DHCP: ON
Server address range: Custom
Start address: 192.168.1.2
End address: 192.168.1.253

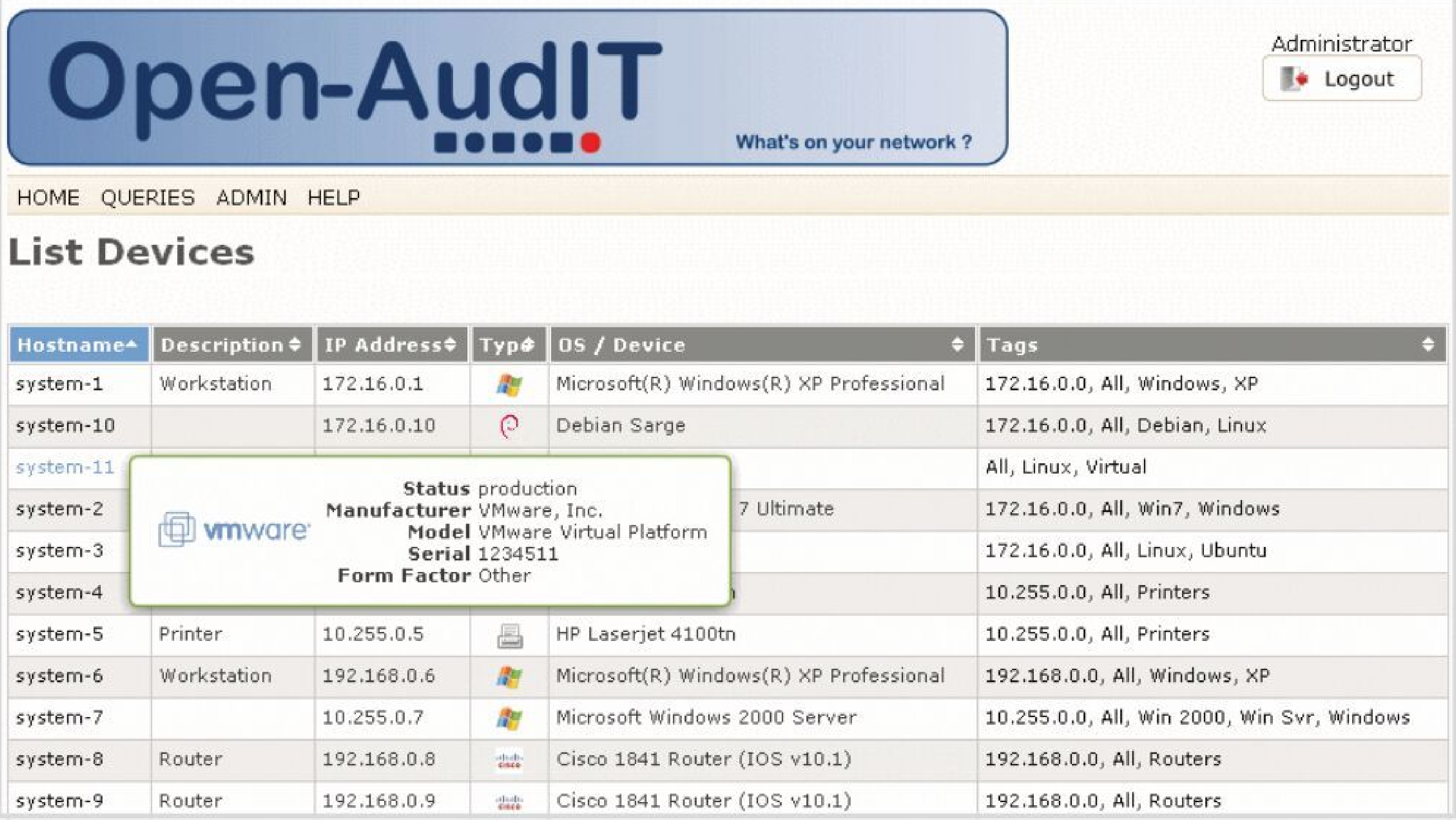
4 According to Trustwave's 2013 Global Security Report, many home network hacks are conducted when the household is away or asleep. This leaves the hacker with ample opportunity to steal bandwidth and view files you may have on a NAS drive. The short, simple solution is to power off the router at night or if you go out for the day.

5 Powerline adapters are an excellent resource for connecting wired network devices, without trailing lengths of cable around the home. However, depending on the adapter, it is possible to use another adapter to gain access to yours. In newer homes it's an easy enough task to pick up another user's network, so use the encryption button if the adapter has one.

devolo
500Mbps

6 Networking a home with Ethernet cables isn't a difficult project and it offers faster connection speeds than that of wireless. However, if you're living in shared accommodation or a block of flats, make sure that any unseen cable lengths can't be accessed by a neighbour. It's easy enough to splice into an Ethernet cable and steal bandwidth.

7 Consider using a network mapping program, such as Open-AudIT, to gain a better understanding of what devices are attached to your network. Become familiar with the addresses, manufacturer, model IDs and so on of every connected object. That way, should anything new appear, you'll know it's not something you allowed.

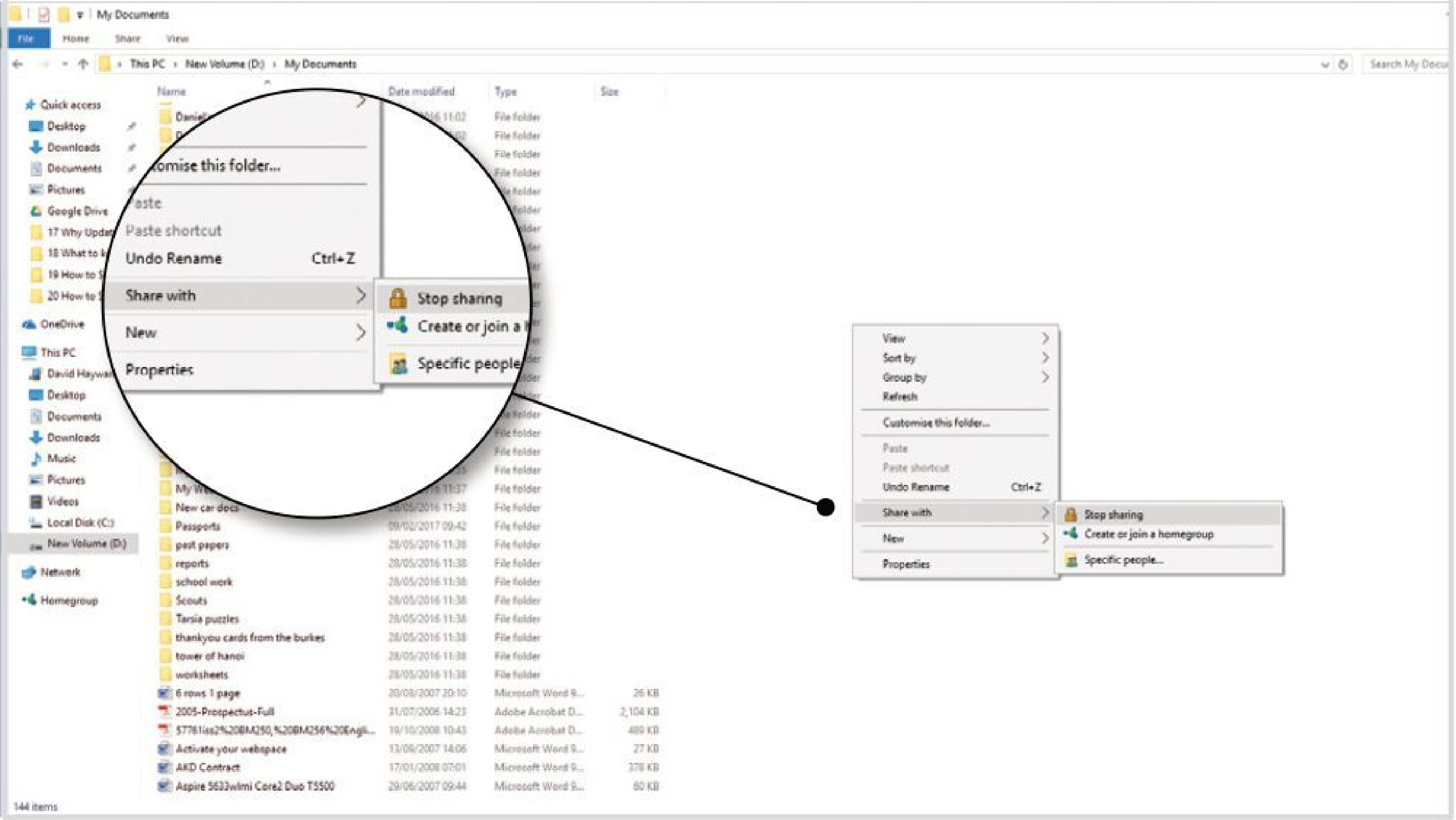

Open-AudIT
What's on your network ?
Administrator
Logout
HOME
QUERIES
ADMIN
HELP
vmware

List Devices

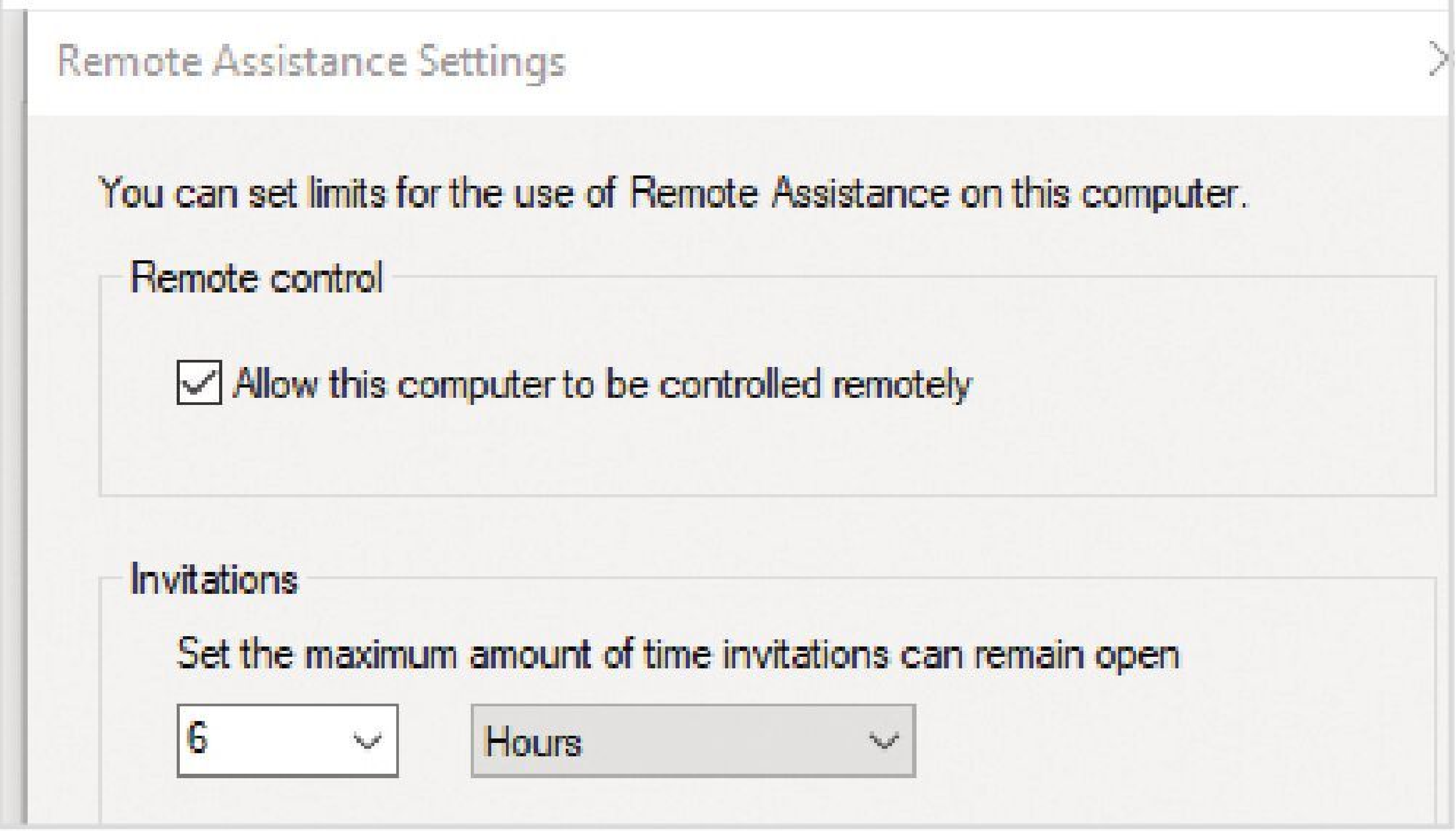
Hostname	Description	IP Address	Type	OS / Device	Tags
system-1	Workstation	172.16.0.1		Microsoft(R) Windows(R) XP Professional	172.16.0.0, All, Windows, XP
system-10		172.16.0.10		Debian Sarge	172.16.0.0, All, Debian, Linux
system-11					All, Linux, Virtual
system-2				7 Ultimate	172.16.0.0, All, Win7, Windows
system-3					172.16.0.0, All, Linux, Ubuntu
system-4					10.255.0.0, All, Printers
system-5	Printer	10.255.0.5		HP Laserjet 4100tn	10.255.0.0, All, Printers
system-6	Workstation	192.168.0.6		Microsoft(R) Windows(R) XP Professional	192.168.0.0, All, Windows, XP
system-7		10.255.0.7		Microsoft Windows 2000 Server	10.255.0.0, All, Win 2000, Win Svr, Windows
system-8	Router	192.168.0.8		Cisco 1841 Router (IOS v10.1)	192.168.0.0, All, Routers
system-9	Router	192.168.0.9		Cisco 1841 Router (IOS v10.1)	192.168.0.0, All, Routers

Status production
Manufacturer VMware, Inc.
Model VMware Virtual Platform
Serial 1234511
Form Factor Other

8 Sharing resources and files from one computer to another is perfectly fine but consider sharing less if you live in close proximity to others. Once a hacker has gained access to your network, getting to any shared folders you have will be a doddle. In extreme cases don't share anything, but generally tighten password control.


My Documents
File
Home
Share
View
This PC › New Volume (D:) › My Documents
Search My Docu
Name
Date modified
Type
Size
View
Sort by
Group by
Refresh
Customise this folder...
Paste
Paste shortcut
Undo Rename Ctrl+Z
Share with
New
Properties
Stop sharing
Create or join a homegroup
Specific people...
144 items

9 Remote administration on both the router and computer certainly can help you out when you're not at the keyboard. Perhaps you connect to your home network from work? Whatever the reasons, it does leave a potential gap in your home network security. Consider closing it completely or double-checking the authentication is top notch.



Remote Assistance Settings

You can set limits for the use of Remote Assistance on this computer.

Remote control

☑ Allow this computer to be controlled remotely

Invitations

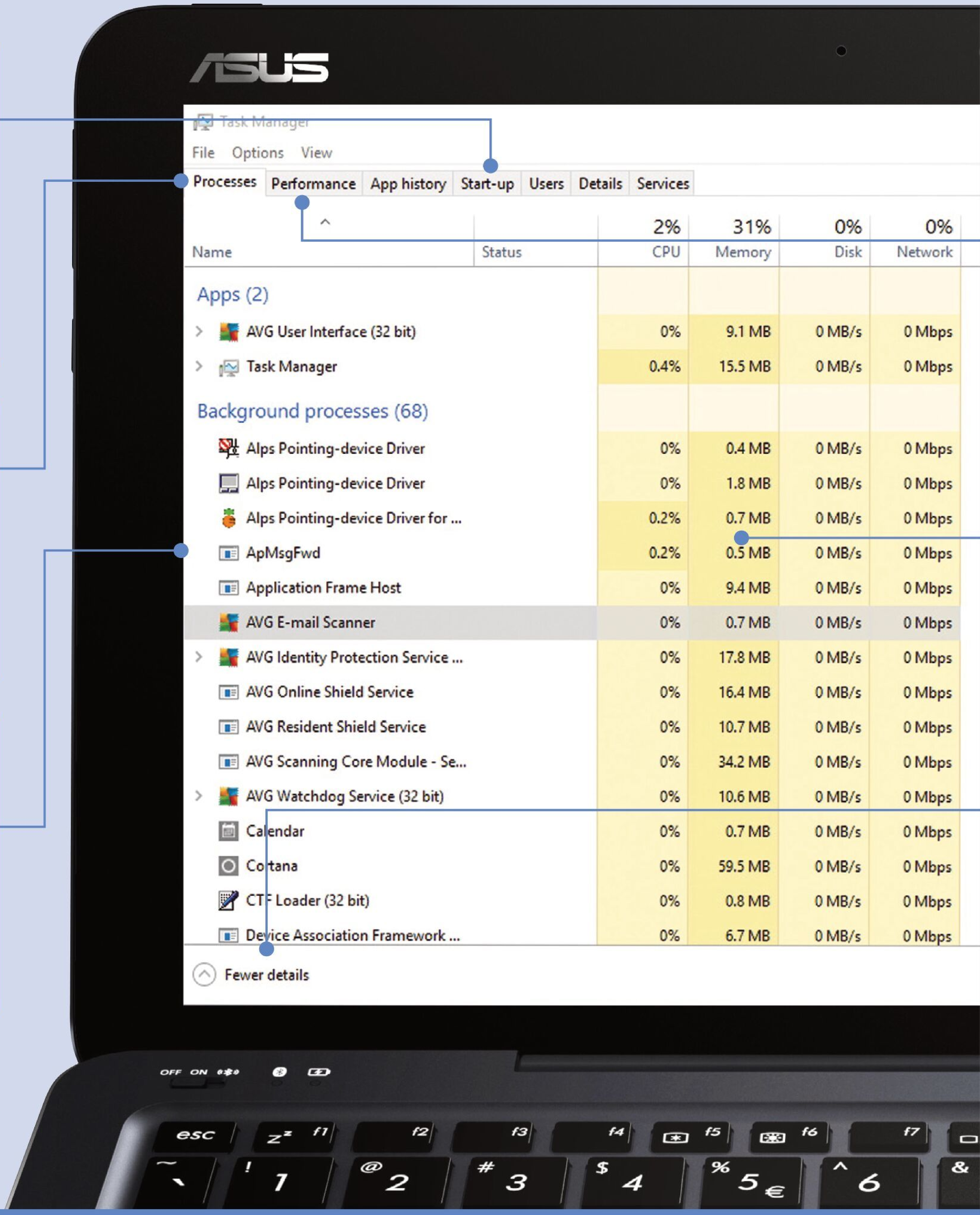
Set the maximum amount of time invitations can remain open

6 Hours

10 If you run a small office make sure that all your wall ports are located in areas where they are secure. Behind desks and generally away from where the public or any visitors may be able sneakily plug a laptop in.

Using the Windows 10 Task Manager

The Task Manager is a very useful tool but even if you have been using Windows for some time, you might never have looked at it before. The Task Manager contains information on PC performance, the number of running apps, how many processes are pulling power from the processor and much more.



ASUS
Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
Fewer details

Name	Status	2% CPU	31% Memory	0% Disk	0% Network
Apps (2)					
AVG User Interface (32 bit)		0%	9.1 MB	0 MB/s	0 Mbps
Task Manager		0.4%	15.5 MB	0 MB/s	0 Mbps
Background processes (68)					
Alps Pointing-device Driver		0%	0.4 MB	0 MB/s	0 Mbps
Alps Pointing-device Driver		0%	1.8 MB	0 MB/s	0 Mbps
Alps Pointing-device Driver for ...		0.2%	0.7 MB	0 MB/s	0 Mbps
ApMsgFwd		0.2%	0.5 MB	0 MB/s	0 Mbps
Application Frame Host		0%	9.4 MB	0 MB/s	0 Mbps
AVG E-mail Scanner		0%	0.7 MB	0 MB/s	0 Mbps
AVG Identity Protection Service ...		0%	17.8 MB	0 MB/s	0 Mbps
AVG Online Shield Service		0%	16.4 MB	0 MB/s	0 Mbps
AVG Resident Shield Service		0%	10.7 MB	0 MB/s	0 Mbps
AVG Scanning Core Module - Se...		0%	34.2 MB	0 MB/s	0 Mbps
AVG Watchdog Service (32 bit)		0%	10.6 MB	0 MB/s	0 Mbps
Calendar		0%	0.7 MB	0 MB/s	0 Mbps
Cortana		0%	59.5 MB	0 MB/s	0 Mbps
CTF Loader (32 bit)		0%	0.8 MB	0 MB/s	0 Mbps
Device Association Framework ...		0%	6.7 MB	0 MB/s	0 Mbps

Start-up Tab

The Start-up tab contains a list of all the apps, programs and processes that are enabled every time you start your computer. If your computer is brand new, this list should be fairly small and filled with essential items. But as you install new apps and software, this start-up list can become bloated and slow down boot up. You can disable auto start-up here.

Processes Tab

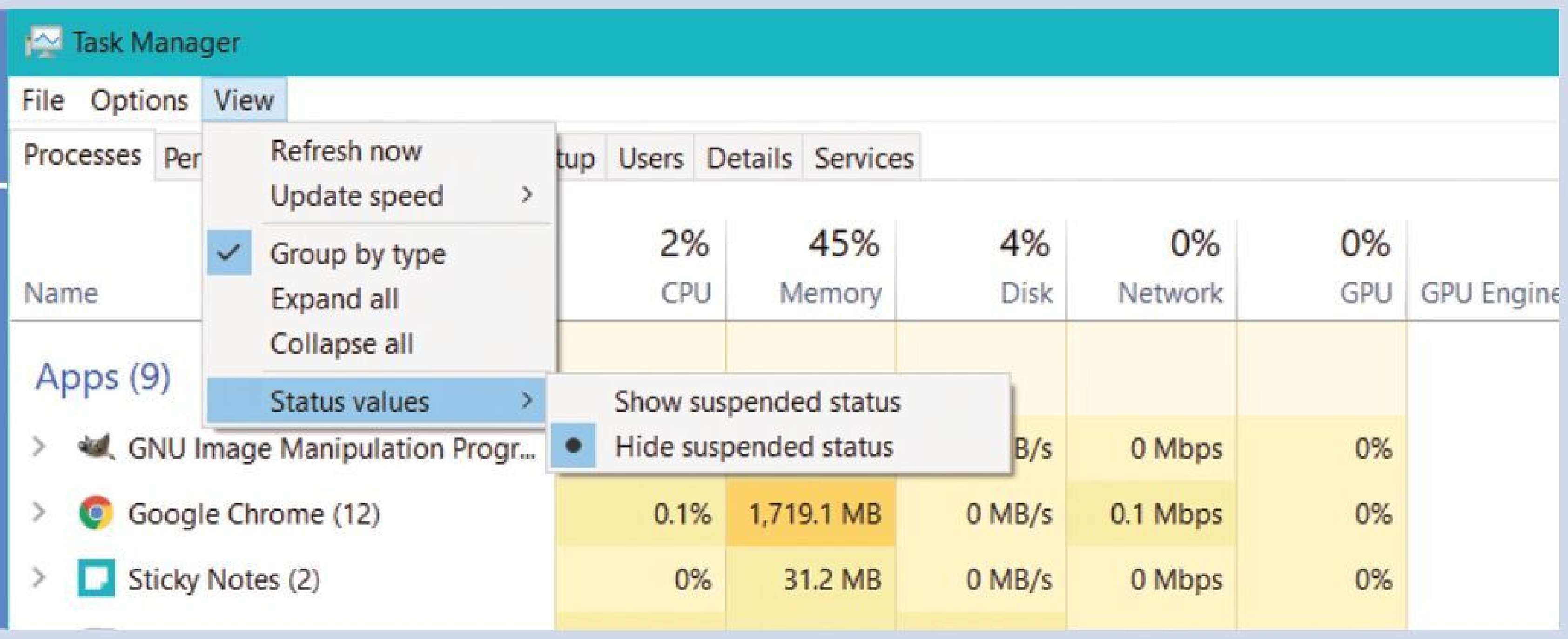
The Processes tab is the default tab when the Task Manager is opened. You can open the task manager by simply searching for it in the main search panel. Just as with any other app or piece of software in Windows 10, you can pin a shortcut to the Task Manager, to the taskbar or as a desktop icon.

Process List

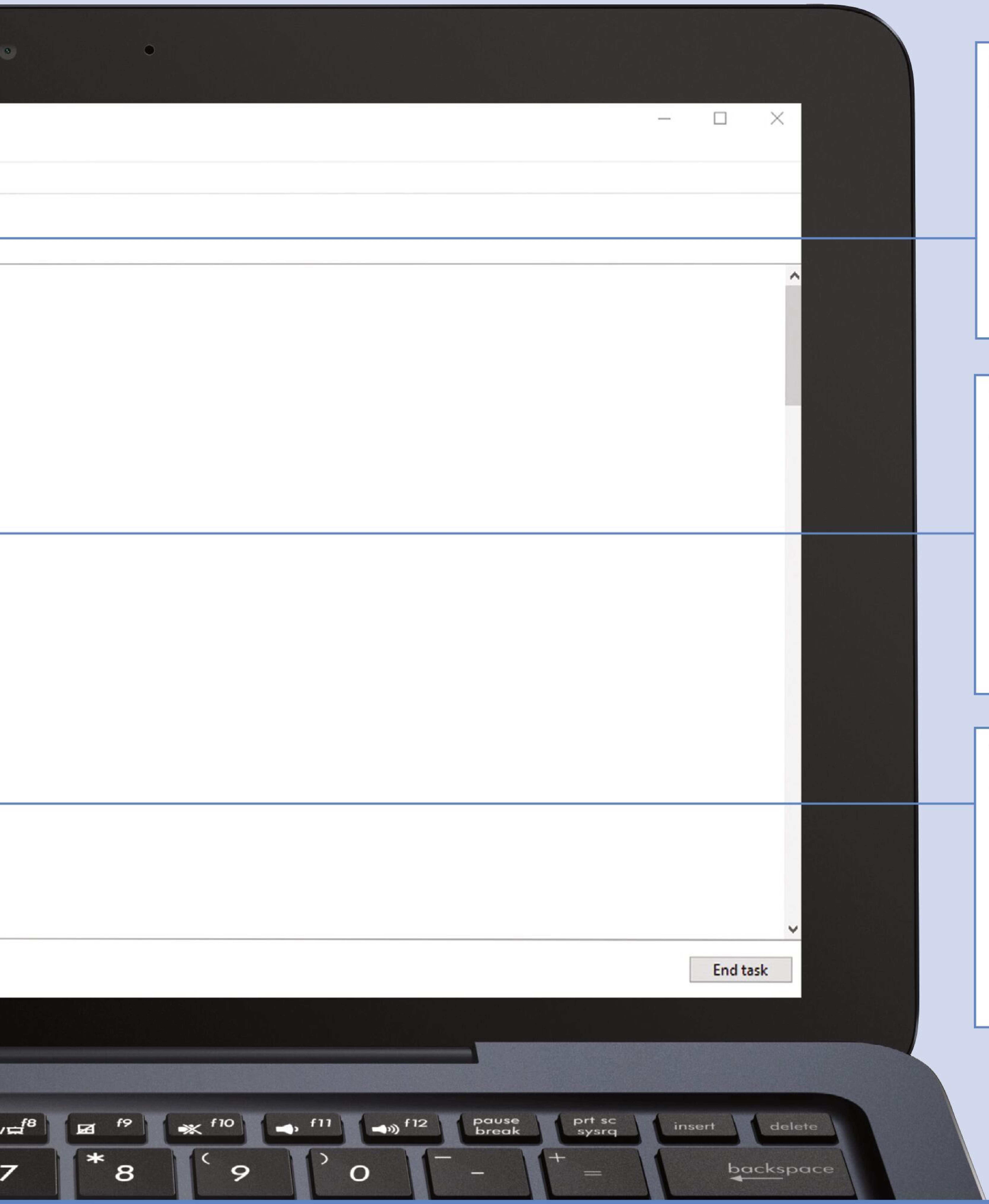
With the Processes tab selected, a list of all processes is shown. Processes are bits of software that run in the background, either running or waiting to run when a corresponding action is taken. As you can see from the list here, things like Cortana and AVG are shown; these you would obviously want to leave.

VIEW OPTIONS

The View options at the top of the Task Manager window allows you to do several things. You can manually refresh the current tab and also change the automatic update speed. For example you can change how the processes are displayed. Either by grouping them by type, expanding or collapsing the list, or showing status values.


Task Manager
File
Options
View
Processes
Per
tup
Users
Details
Services
Refresh now
Update speed
Group by type
Expand all
Collapse all
Status values
Show suspended status
Hide suspended status
GPU Engine

Name	2% CPU	45% Memory	4% Disk	0% Network	0% GPU
Apps (9)					
GNU Image Manipulation Progr...			B/s	0 Mbps	0%
Google Chrome (12)	0.1%	1,719.1 MB	0 MB/s	0.1 Mbps	0%
Sticky Notes (2)	0%	31.2 MB	0 MB/s	0 Mbps	0%



Performance Tab

Another useful tab in the Task Manager is Performance. This gives you a real-time performance overview, allowing you to pinpoint exactly how well your hardware is coping with whatever you are doing at the time. If Task Manager is the only app open, the performance chart should be very stable but if you are running several apps, it will show any power spikes.

Resource Usage

If you find your PC becoming slow and sluggish during normal use, you may have too many processes running. By looking at the resource usage chart, you can see exactly which apps are taking up the most processing power, physical memory, disk space and even network bandwidth. If something is particularly resource hungry, you can right-click and stop it.

Fewer Details

You can view a limited version of the Task Manager by clicking on the “Fewer Details” button at the bottom of the window. This makes the window small enough that it can be left open, in the corner of your desktop for example, but still show relevant information. You can get more information at any time by clicking “More Details”

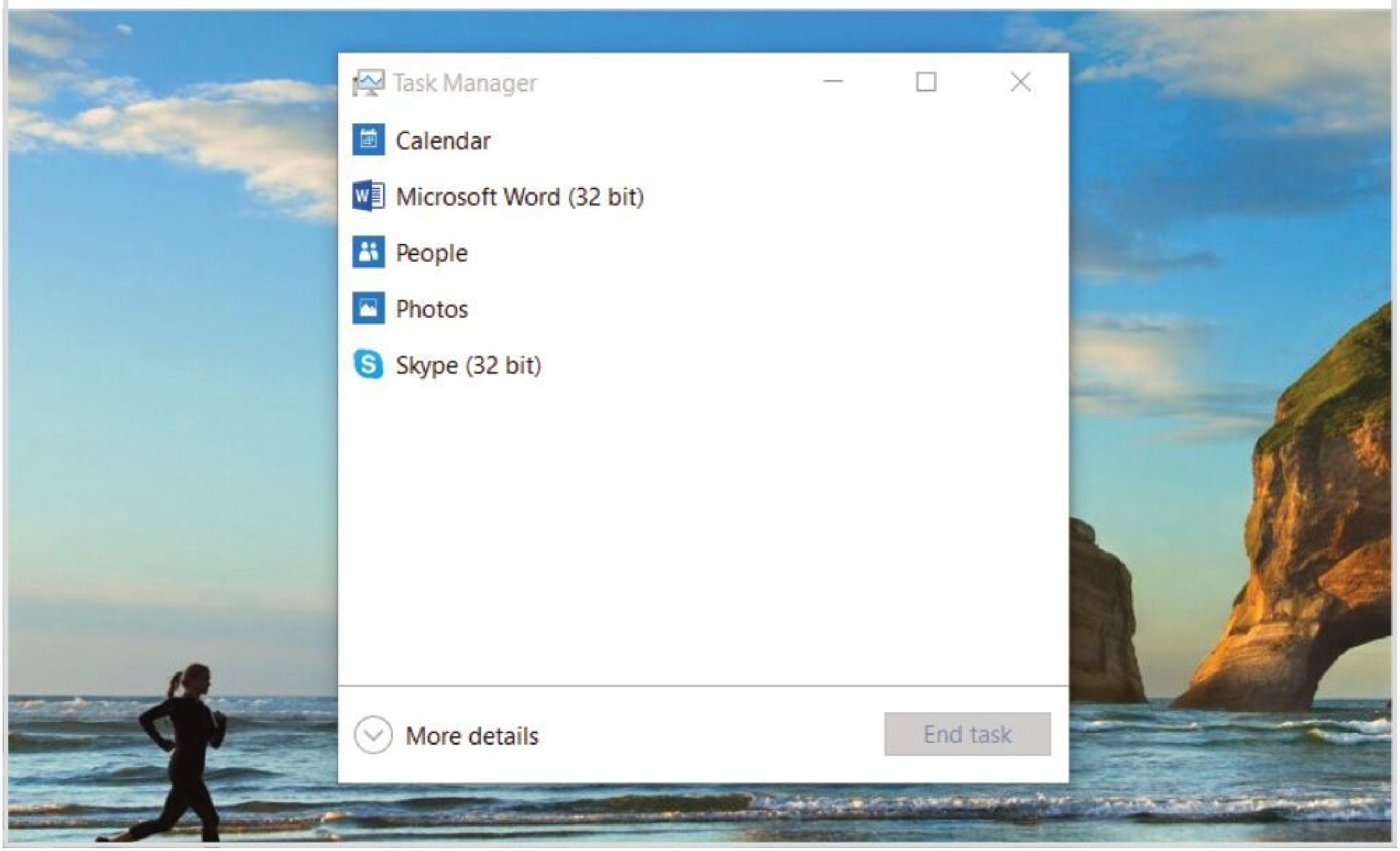
Monitor Tasks with the Task Manager

If you have a program that isn't working, want to control what starts up when your PC does or you want to see what's running on your PC, then Task Manager is the place to go. Access it via the Power Menu (right-click on Start) or by pressing Ctrl+Alt+Delete and selecting it from the Security Options menu.

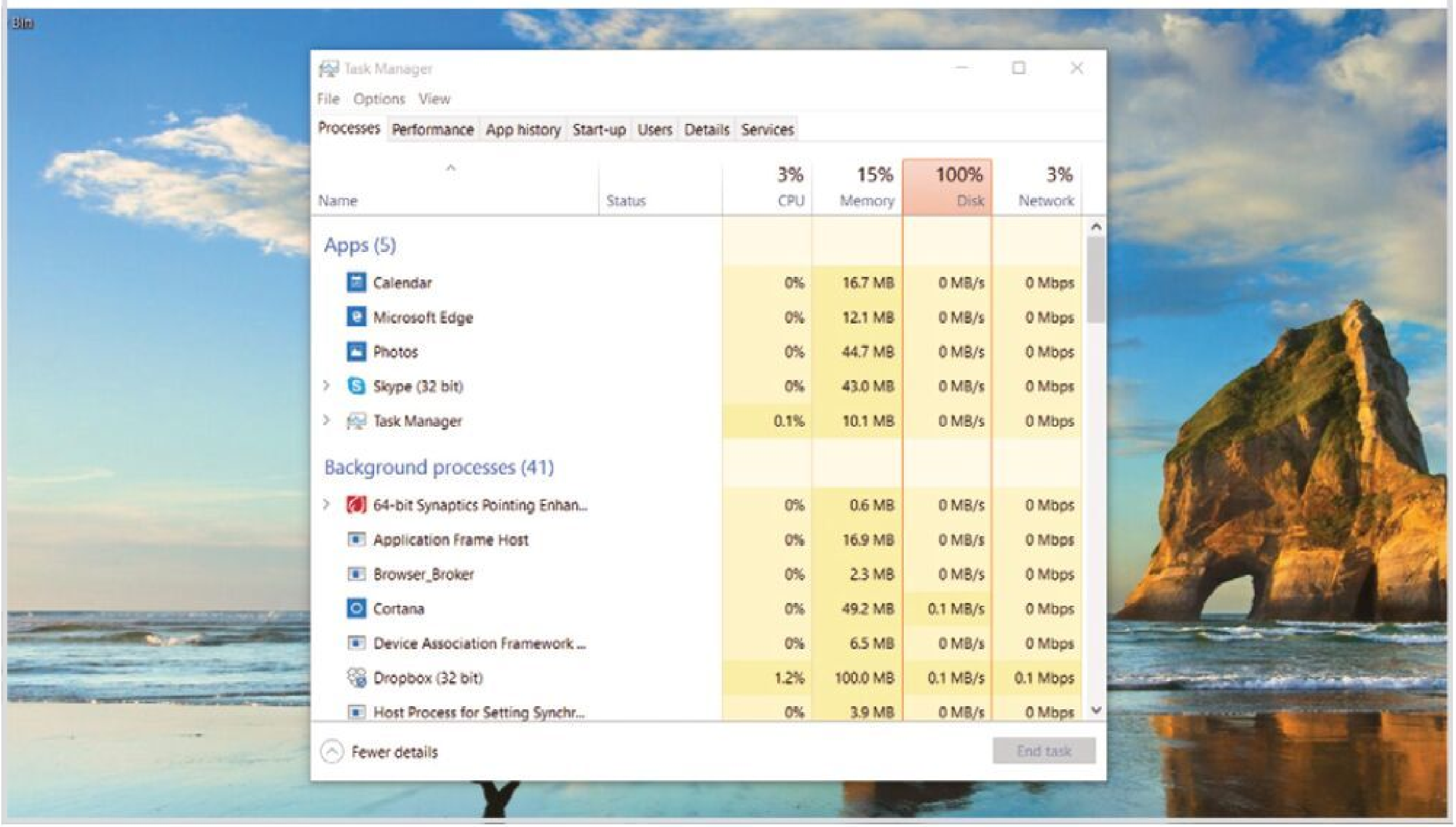
Manage Your PC

Task Manager is a lot more complex than it used to be and it's now a useful insight into your PC and app performance, allowing you to check anything from Wi-Fi usage to app crashes and much more.

1 Task Manager starts life as this fairly unassuming little window. If you have an app that is unresponsive, select it and click End Task. Beware that if you do this to an app with unsaved work in it, you will lose your work. Clicking the More Details button will expand the Task Manager window.

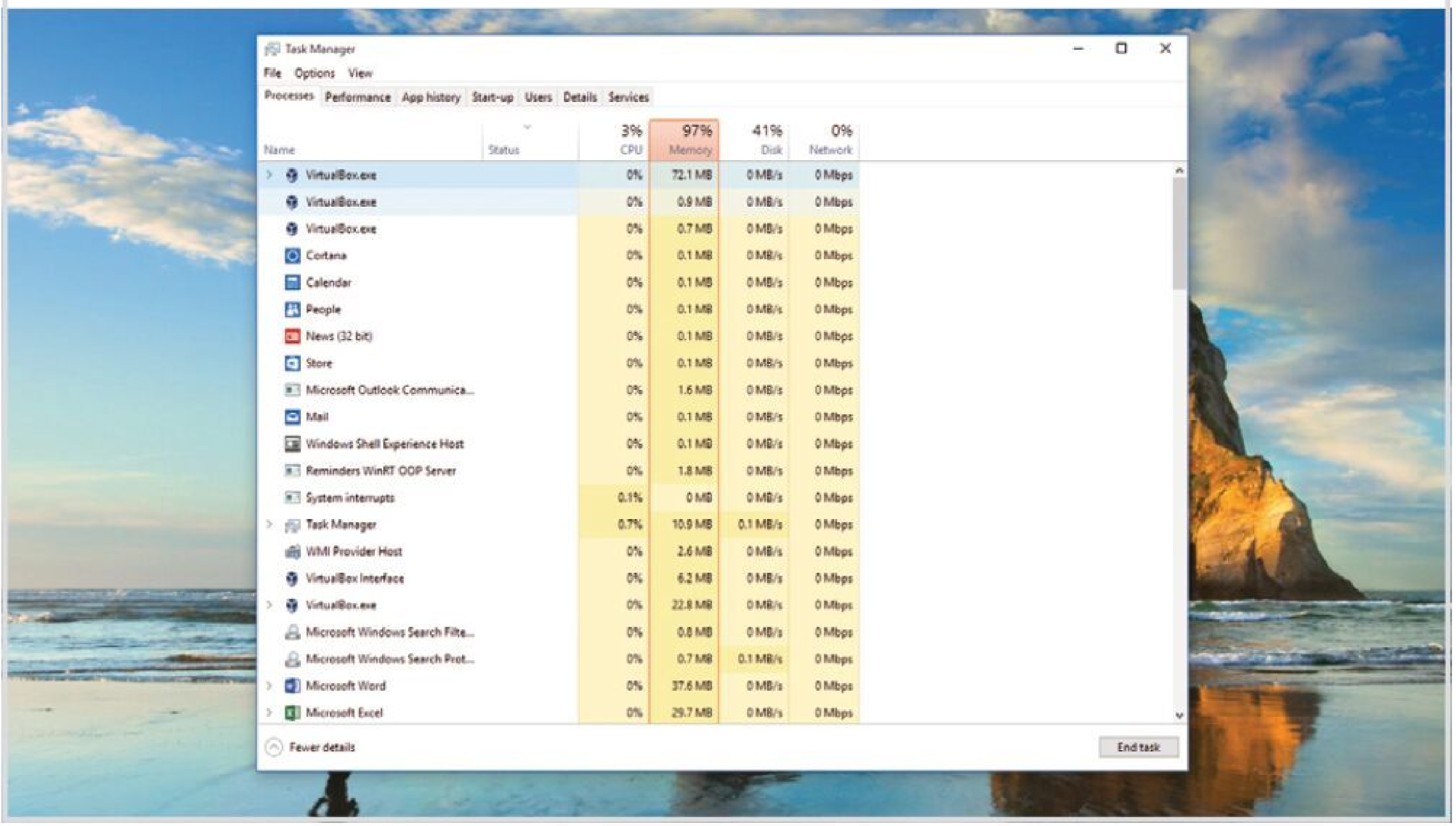

Task Manager
Calendar
Microsoft Word (32 bit)
People
Photos
Skype (32 bit)
More details
End task

2 This window is a little more complex, but the 'Apps' part of the window is essentially what we were looking at in Step 1. Now the apps have been joined by background processes. Your PC will most likely be running tens of these unless it's box-fresh. Here we've got 41. These are things such as Cortana, which runs in the background, and our trackpad software.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
Fewer details
End task

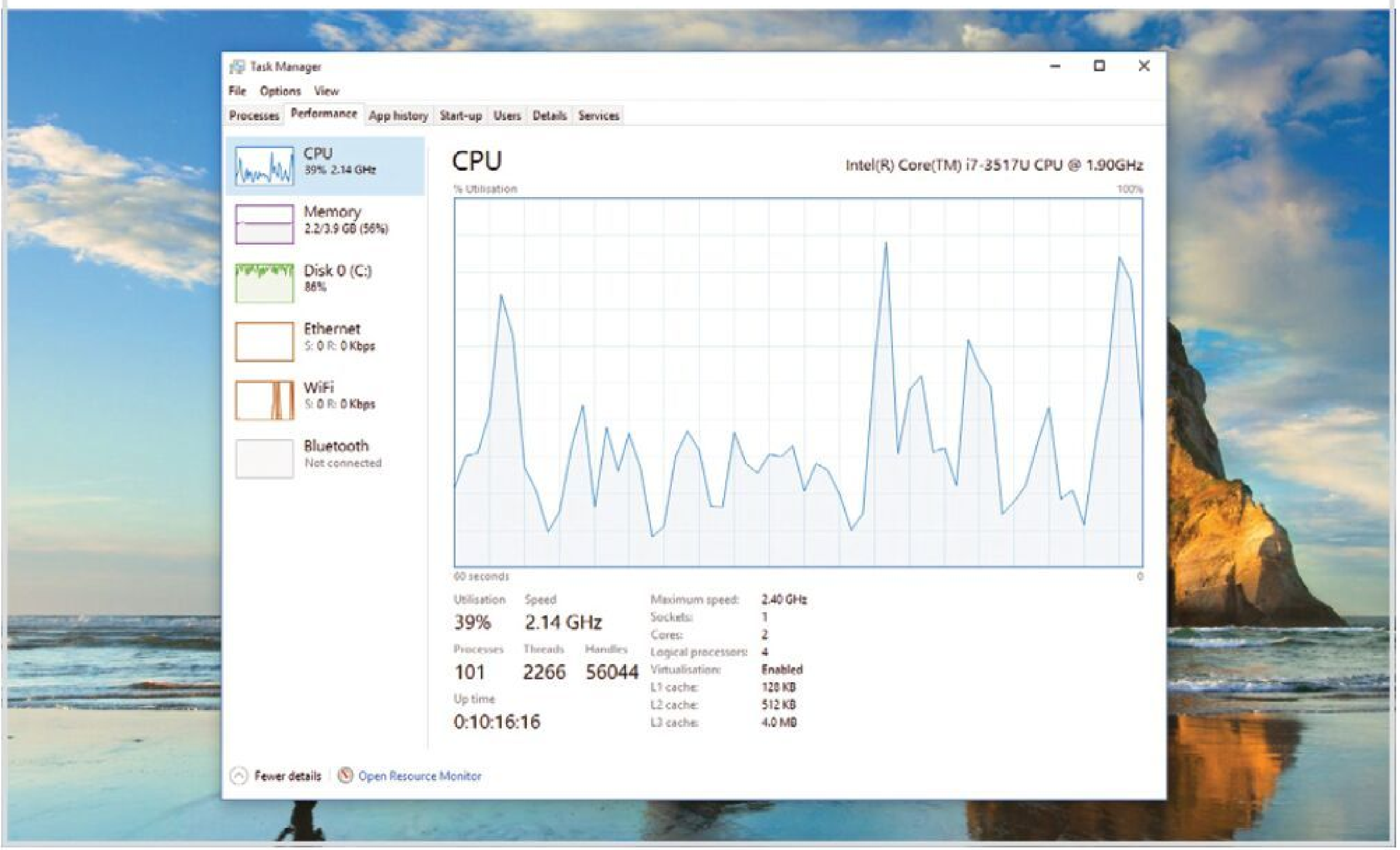
Name	Status	3% CPU	15% Memory	100% Disk	3% Network
Apps (5)					
Calendar		0%	16.7 MB	0 MB/s	0 Mbps
Microsoft Edge		0%	12.1 MB	0 MB/s	0 Mbps
Photos		0%	44.7 MB	0 MB/s	0 Mbps
Skype (32 bit)		0%	43.0 MB	0 MB/s	0 Mbps
Task Manager		0.1%	10.1 MB	0 MB/s	0 Mbps
Background processes (41)					
64-bit Synaptics Pointing Enhan...		0%	0.6 MB	0 MB/s	0 Mbps
Application Frame Host		0%	16.9 MB	0 MB/s	0 Mbps
Browser_Broker		0%	2.3 MB	0 MB/s	0 Mbps
Cortana		0%	49.2 MB	0.1 MB/s	0 Mbps
Device Association Framework ...		0%	6.5 MB	0 MB/s	0 Mbps
Dropbox (32 bit)		1.2%	100.0 MB	0.1 MB/s	0.1 Mbps
Host Process for Setting Synchr...		0%	3.9 MB	0 MB/s	0 Mbps

3 You can see what system resources each app is using in each column. Here Excel is using around 74MB of memory, for example. Memory use is almost at its maximum, as you can see at the top of the column. Maxed out resources are no bad thing – after all your PC is there to be used – but when apps crash, they are usually using resources and not relinquishing them.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
Fewer details
End task

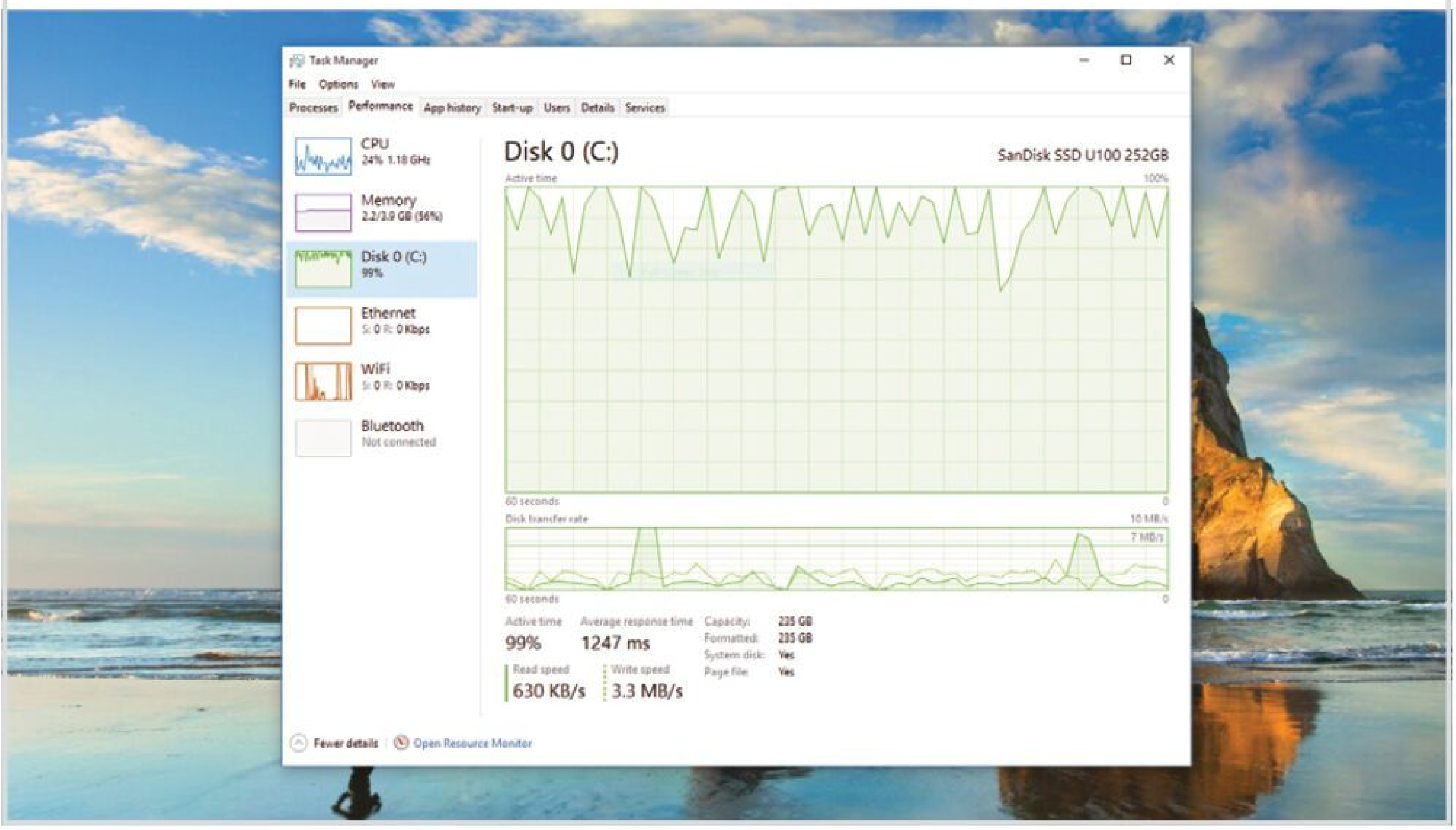
Name	Status	3% CPU	97% Memory	41% Disk	0% Network
VirtualBox.exe		0%	72.1 MB	0 MB/s	0 Mbps
VirtualBox.exe		0%	0.9 MB	0 MB/s	0 Mbps
VirtualBox.exe		0%	0.7 MB	0 MB/s	0 Mbps
Cortana		0%	0.1 MB	0 MB/s	0 Mbps
Calendar		0%	0.1 MB	0 MB/s	0 Mbps
People		0%	0.1 MB	0 MB/s	0 Mbps
News (32 bit)		0%	0.1 MB	0 MB/s	0 Mbps
Store		0%	0.1 MB	0 MB/s	0 Mbps
Microsoft Outlook Communica...		0%	1.6 MB	0 MB/s	0 Mbps
Mail		0%	0.1 MB	0 MB/s	0 Mbps
Windows Shell Experience Host		0%	0.1 MB	0 MB/s	0 Mbps
Reminders WinRT OOP Server		0%	1.8 MB	0 MB/s	0 Mbps
System interrupts		0.1%	0 MB	0 MB/s	0 Mbps
Task Manager		0.7%	10.9 MB	0.1 MB/s	0 Mbps
WMI Provider Host		0%	2.6 MB	0 MB/s	0 Mbps
VirtualBox Interface		0%	6.2 MB	0 MB/s	0 Mbps
VirtualBox.exe		0%	22.8 MB	0 MB/s	0 Mbps
Microsoft Windows Search Filte...		0%	0.8 MB	0 MB/s	0 Mbps
Microsoft Windows Search Prot...		0%	0.7 MB	0.1 MB/s	0 Mbps
Microsoft Word		0%	37.6 MB	0 MB/s	0 Mbps
Microsoft Excel		0%	29.7 MB	0 MB/s	0 Mbps

4 If an app crashes, then you need to select it and click End Task as before. You should always try and give it time to recover (especially if you will lose work). Now we've clicked the Performance tab at the top of the window and we can see the usage of important elements of our PC.

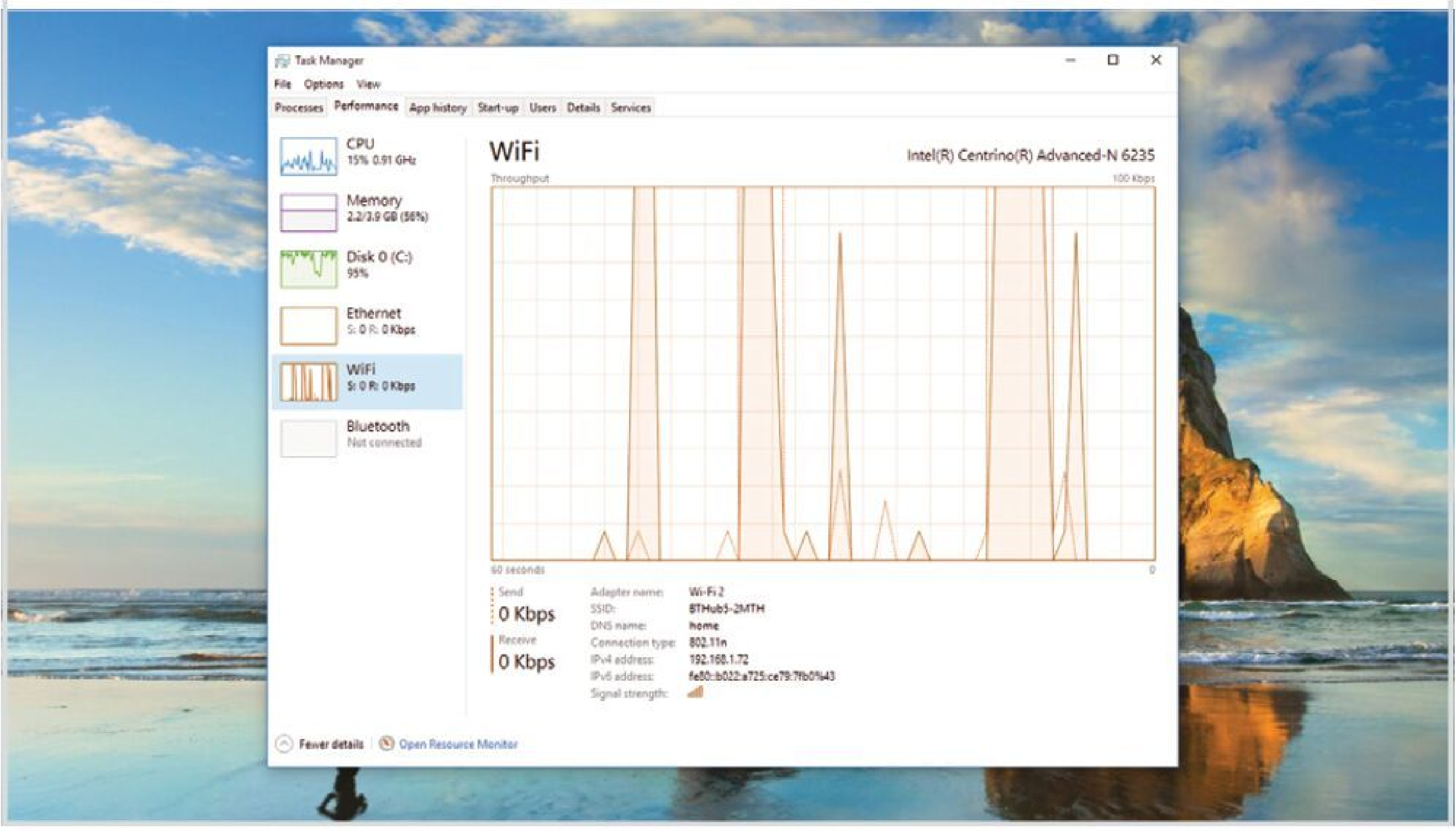

Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
CPU
39% 2.14 GHz
Memory
2.2/3.9 GB (56%)
Disk 0 (C:)
86%
Ethernet
S: 0 R: 0 Kbps
WiFi
S: 0 R: 0 Kbps
Bluetooth
Not connected
CPU
Intel(R) Core(TM) i7-3517U CPU @ 1.90GHz
% Utilisation
100%
60 seconds
0
Fewer details
Open Resource Monitor

Utilisation 39%
Speed 2.14 GHz
Processes 101
Threads 2266
Handles 56044
Up time 0:10:16:16
Maximum speed: 2.40 GHz
Sockets: 1
Cores: 2
Logical processors: 4
Virtualisation: Enabled
L1 cache: 128 KB
L2 cache: 512 KB
L3 cache: 4.0 MB

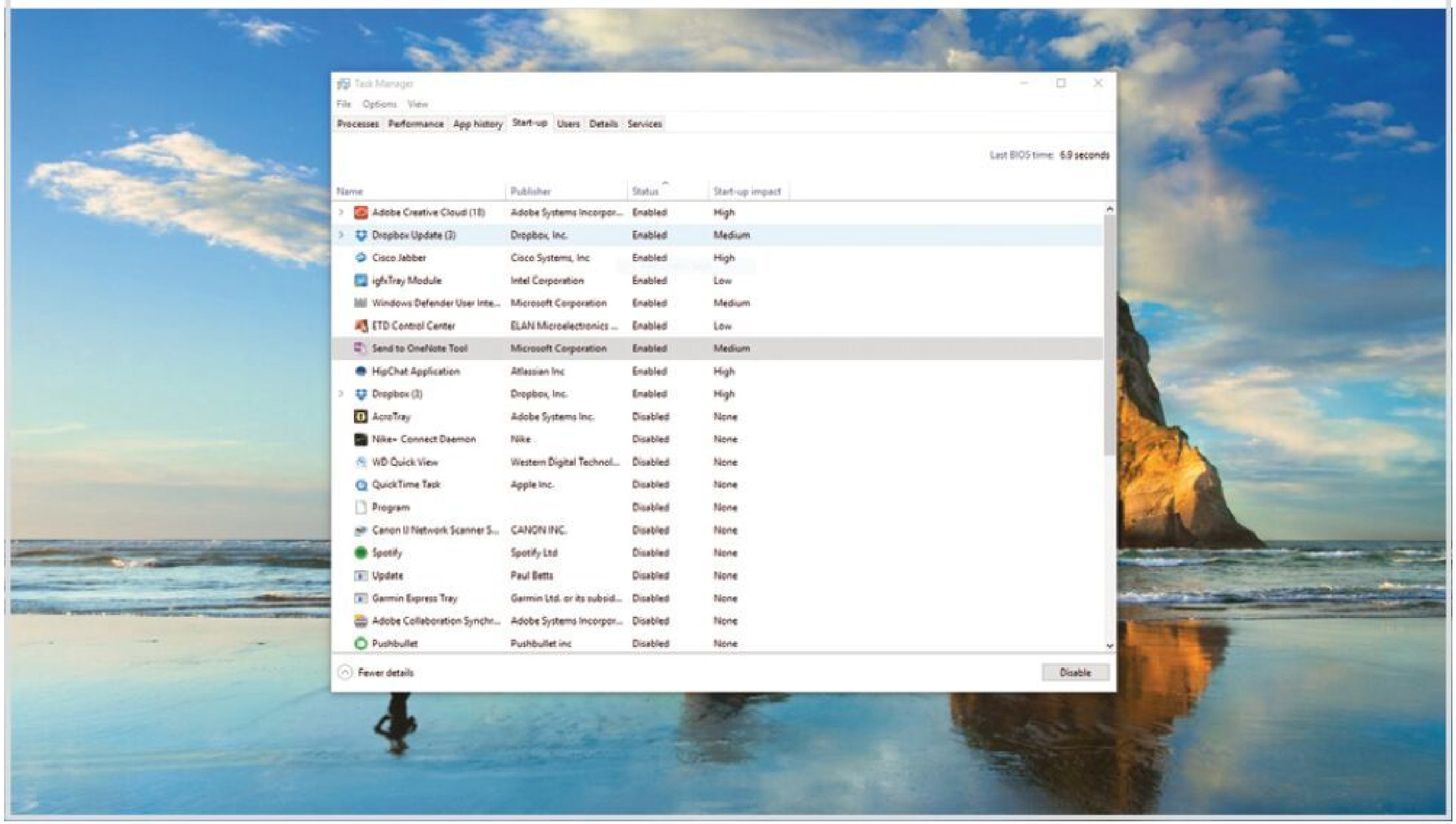
5 Here's our disk usage – as you can see it's pretty active! You will also have this if you have several big apps open (we've got Edge, Spotify, Word and Excel open in this example). In the previous step you could see our processor usage, and as you may have noticed, we've only been using around 40 per cent of its capability during the last minute.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
CPU
Memory
Disk 0 (C:)
Ethernet
WiFi
Bluetooth
Disk 0 (C:)
SanDisk SSD U100 252GB
99%
1247 ms
630 KB/s
3.3 MB/s
Fewer details
Open Resource Monitor

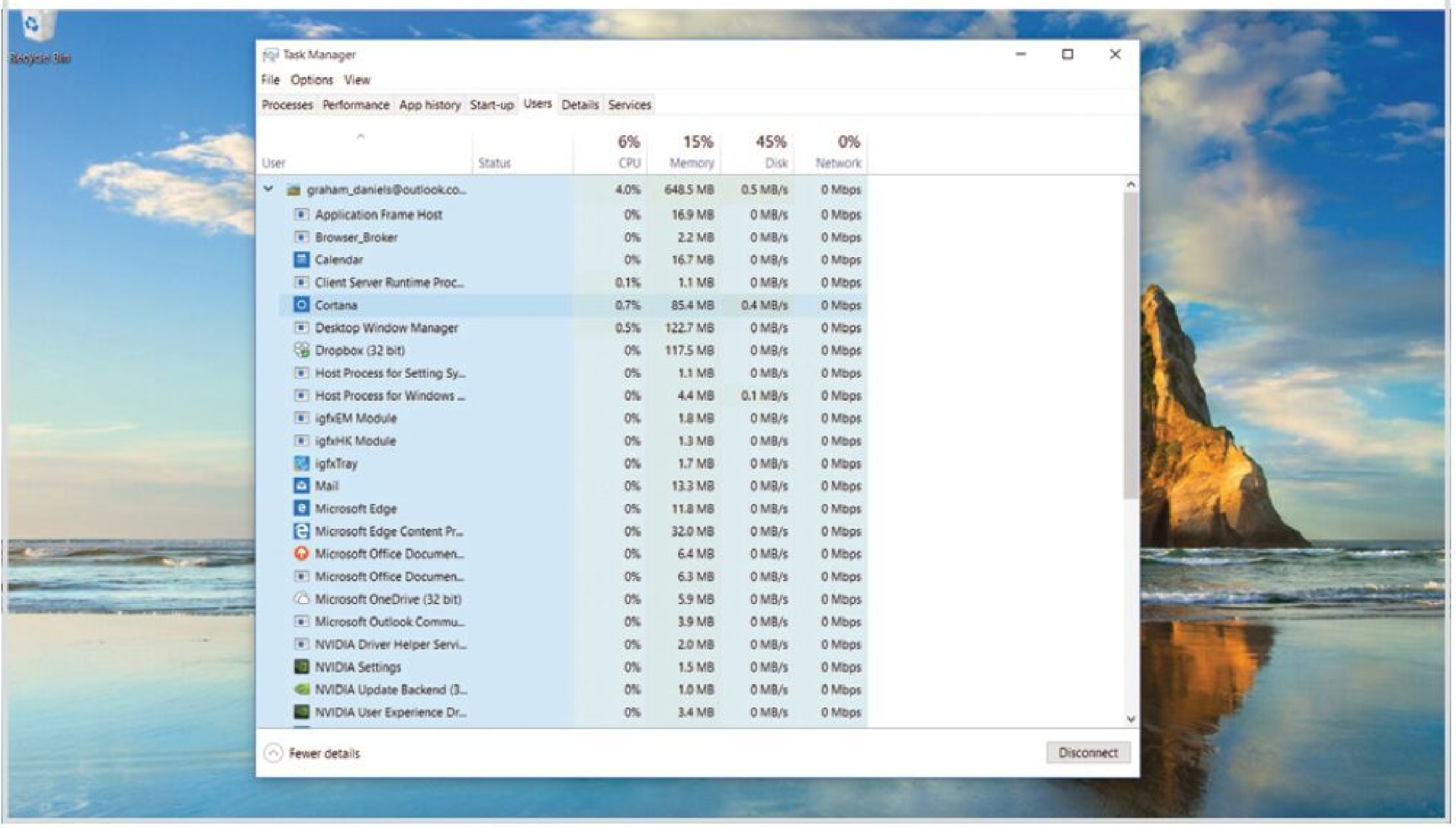
6 Wi-Fi usage (you can also see wired network usage if you use that to connect) is more sporadic as the network connection tends to be used intermittently – unless you're copying files or similar. Here we're streaming music, which appears to download in chunks. Notice there's no data being received or sent right at this moment.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
CPU
Memory
Disk 0 (C:)
Ethernet
WiFi
Bluetooth
WiFi
Intel(R) Centrino(R) Advanced-N 6235
0 Kbps
0 Kbps
Fewer details
Open Resource Monitor

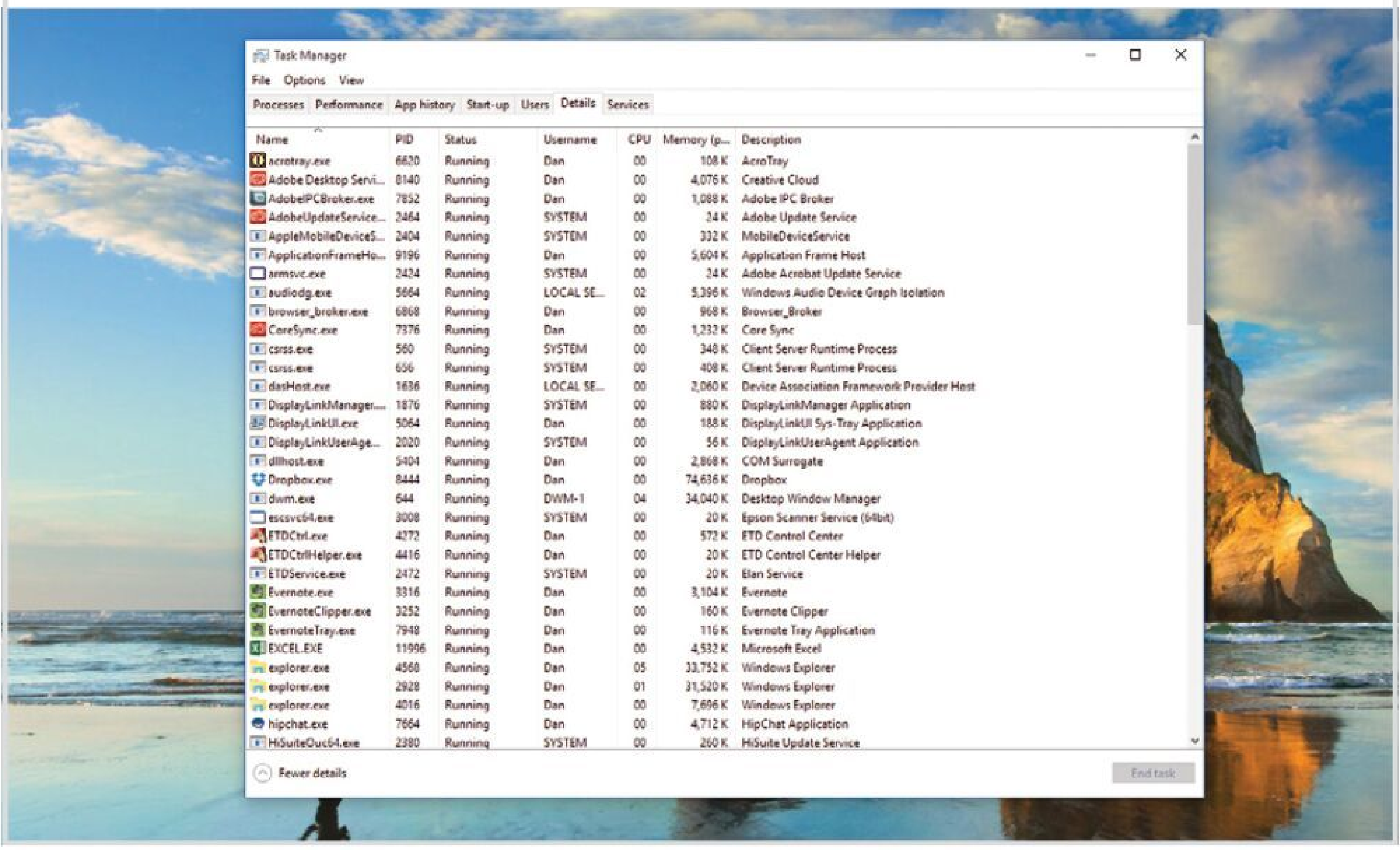
7 The Start-up tab is one of the most important in Task Manager. While you can configure an app such as Skype to start-up when Windows does and disable the same within the app, some applications are sneaky and enable themselves to start when Windows does. Here you can select the app and either enable or stop this from happening.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
Fewer details
Disable

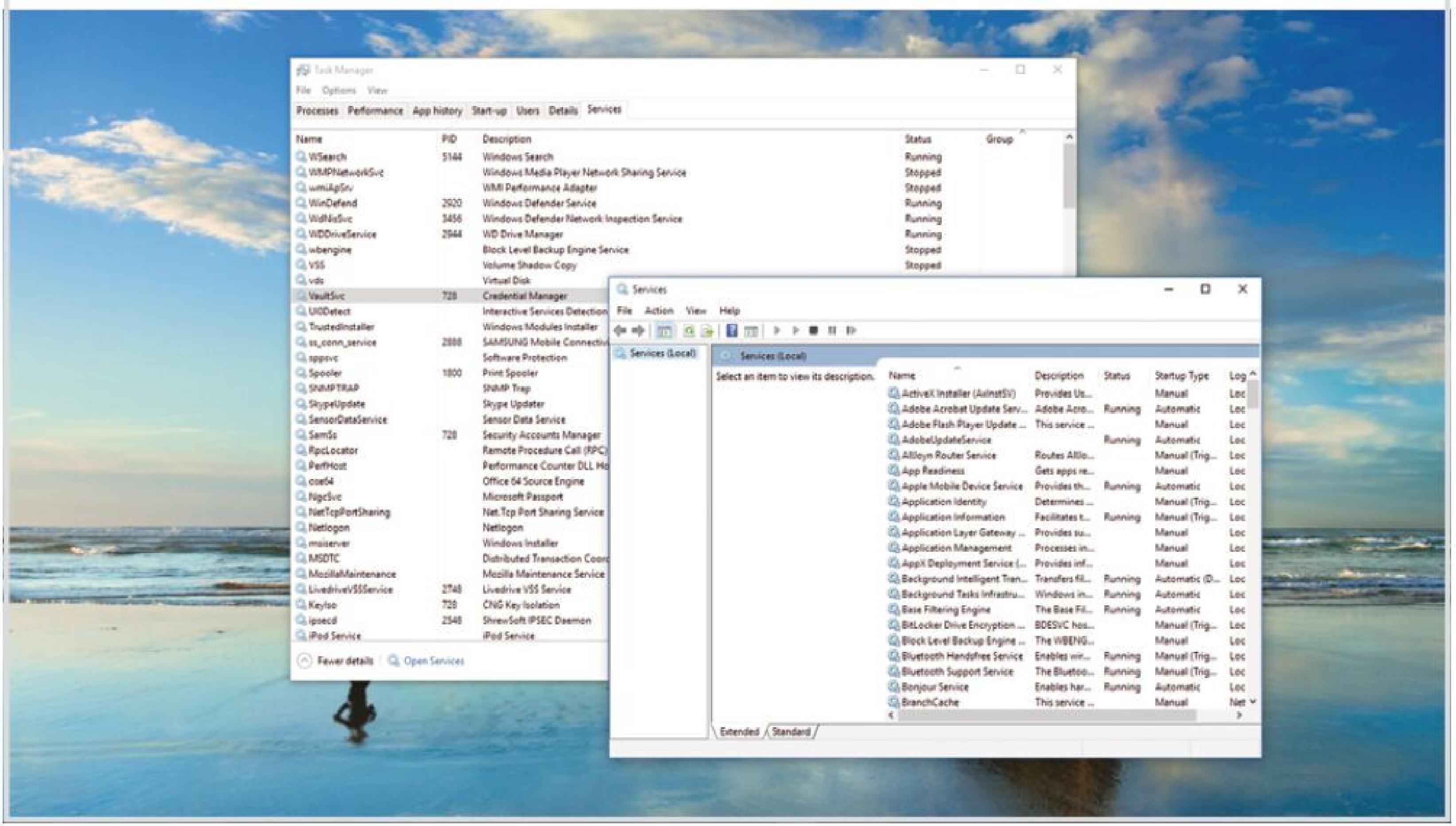
8 Although it's of limited general use, the Users tab details what apps and processes are running on a per-user basis. This might be useful if your PC is running slowly and you want to see what resources someone else who is logged into the PC is hogging. They might have something wasteful running in the background, for example.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
6%
15%
45%
0%
Fewer details
Disconnect

9 The Details tab is really for pro users only and has full information on each running process and which user is responsible for it. You can also see how much resource the process is taking up as well as what is called a Process ID, or PID, that identifies the process on your machine.


Task Manager
File Options View
Processes Performance App history Start-up Users Details Services
Fewer details
End task

10 Services are programs that run in the background. The chances are your PC is running lots of them. For example Windows Defender, the built-in security software, runs in the background as a service. As well as viewing the active services in Task Manager, you can click the Open Services link to manage services on your PC.


Task Manager
Services
Fewer details
Open Services

Free Windows 10 Security Software

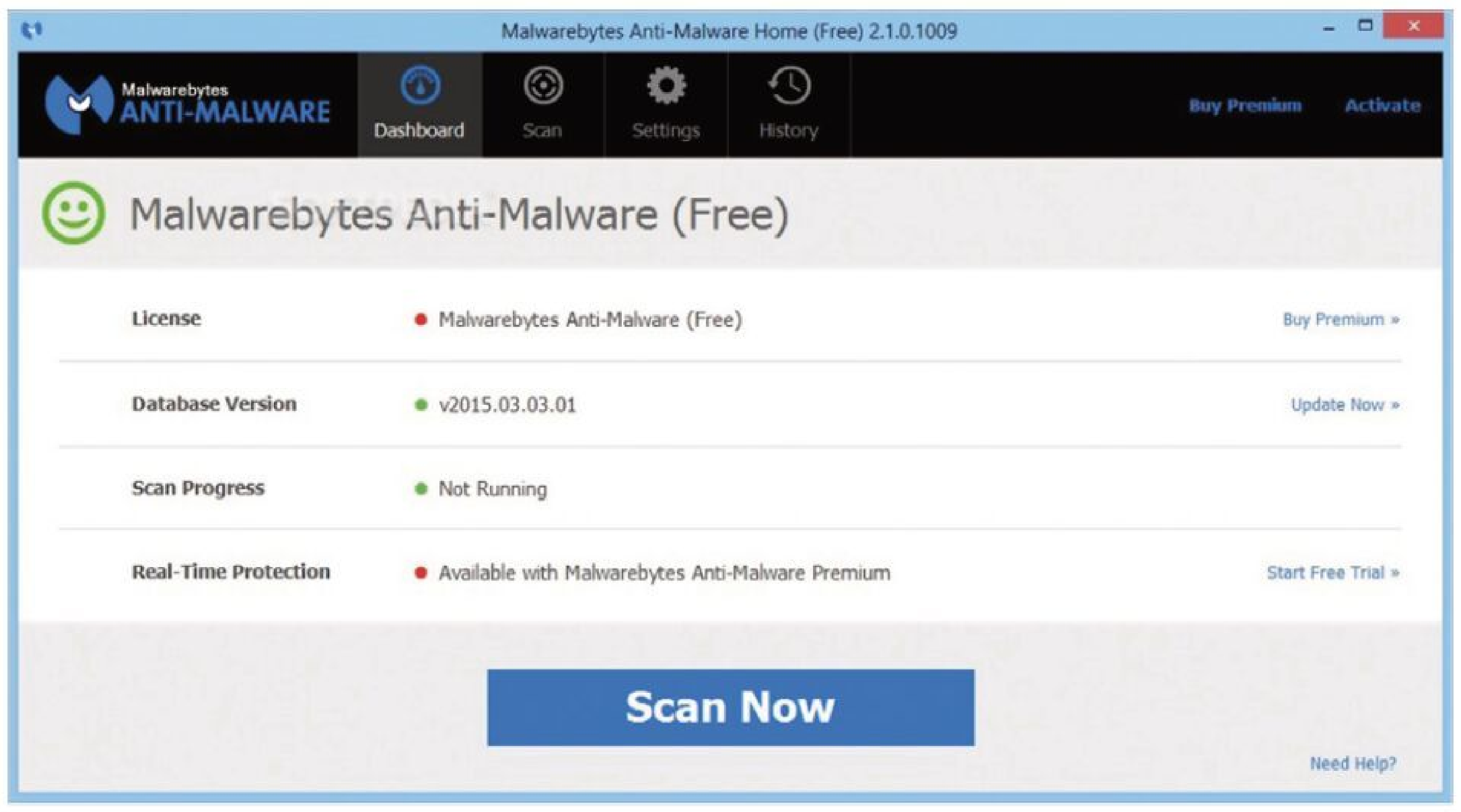
Finding security software for your PC can seem easy. Finding security software that works as it should and offers you the protection you need can be harder. From creating strong passwords to protecting your email from spam, there are lots of ways you can make your computer safer and less likely to suffer from external problems. Here are a few of our favourite security programs.

Malwarebytes Anti-malware

Download From: www.malwarebytes.com

The term Malware is used as a way of describing lots of potentially nasty things that can find their way onto your PC, including viruses, hijackers, adware and ransomware. Malwarebytes Anti-malware Free will scan for and protect you from all of them for 14 days after installation, and then just from general malware and rootkits after the trial period. Before the trial expires, Malwarebytes will detect and remove malware in real-time using advanced anti-malware, anti-spyware and anti-rootkit technology.
A rootkit is a collection of computer software, typically malicious, designed to enable access to a computer or areas of its software that would not otherwise be allowed and often masks its existence or the existence of other software.

Scans are done for the newest and most dangerous threats automatically, so you're protected without having to even think about it. It also wraps your browser and software programs in four layers of defence, stopping attacks that use vulnerabilities in those programs to infect your computer.



Malwarebytes Anti-Malware (Free)

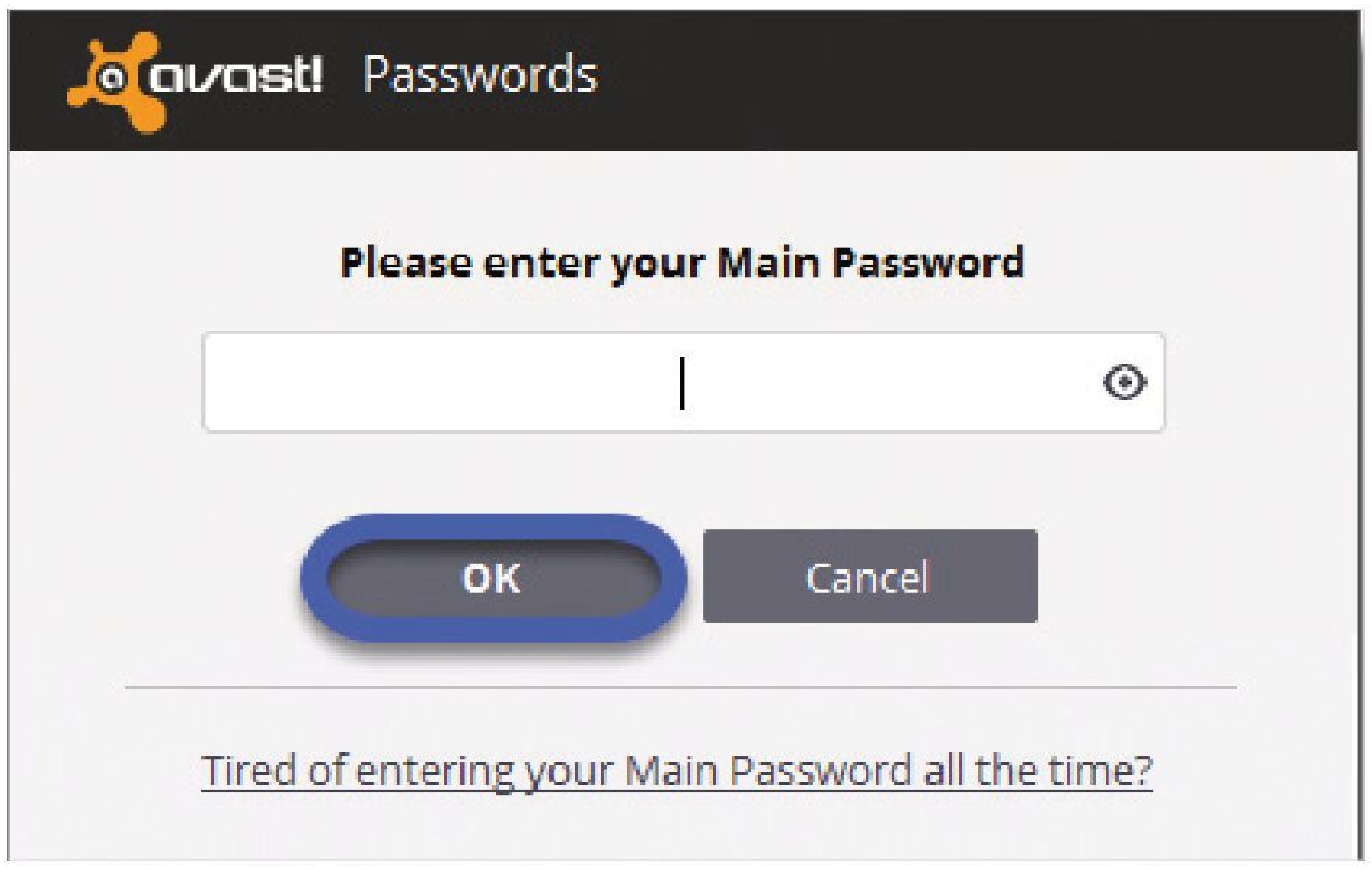
License: ● Malwarebytes Anti-Malware (Free)
Database Version: ● v2015.03.03.01
Scan Progress: ● Not Running
Real-Time Protection: ● Available with Malwarebytes Anti-Malware Premium

Avast Passwords

Download From: www.avast.com/en-gb/passwords

There can be few people around these days who do not have at least a couple of passwords to remember and if you are anything like us, you have about 15. From making payments to sending emails, strong passwords are a vital part of our online life. Many browsers offer to store your identity information but this is not very secure and can be easily hacked. When you store passwords in your browser, they are stored on your device along with the information necessary to decrypt them.

Avast Passwords stores your passwords with a much higher level of encryption and protects all your data with a password known only to you, so that your data remains safely hidden from any unauthorised access. It securely stores your sensitive information and enables you to quickly log into your online accounts and complete web forms. When you use Avast Passwords you can quickly import any information stored in your browsers, and be sure it is stored with top of the line security. Quickly import your autofill info from Chrome and Firefox, which are unsafe places to store your passwords. Avast Passwords will easily autofill login information for all of your accounts, so you don't have to enter the same info every time. Start storing the safer way without all the copying and pasting.



Please enter your Main Password

ALTERNATIVE PARENTAL CONTROLS

OpenDNS FamilyShield

FamilyShield is a free service from OpenDNS. Its parental control tools automatically block domains that have been flagged under headings such as “tasteless”, “sexuality”, or “pornography”.

Kidlogger

This free parental control software not only tracks what your children type and which websites they visit, it also keeps a record of which programs they use and any screen grabs they take.

Spyrix Personal Monitor

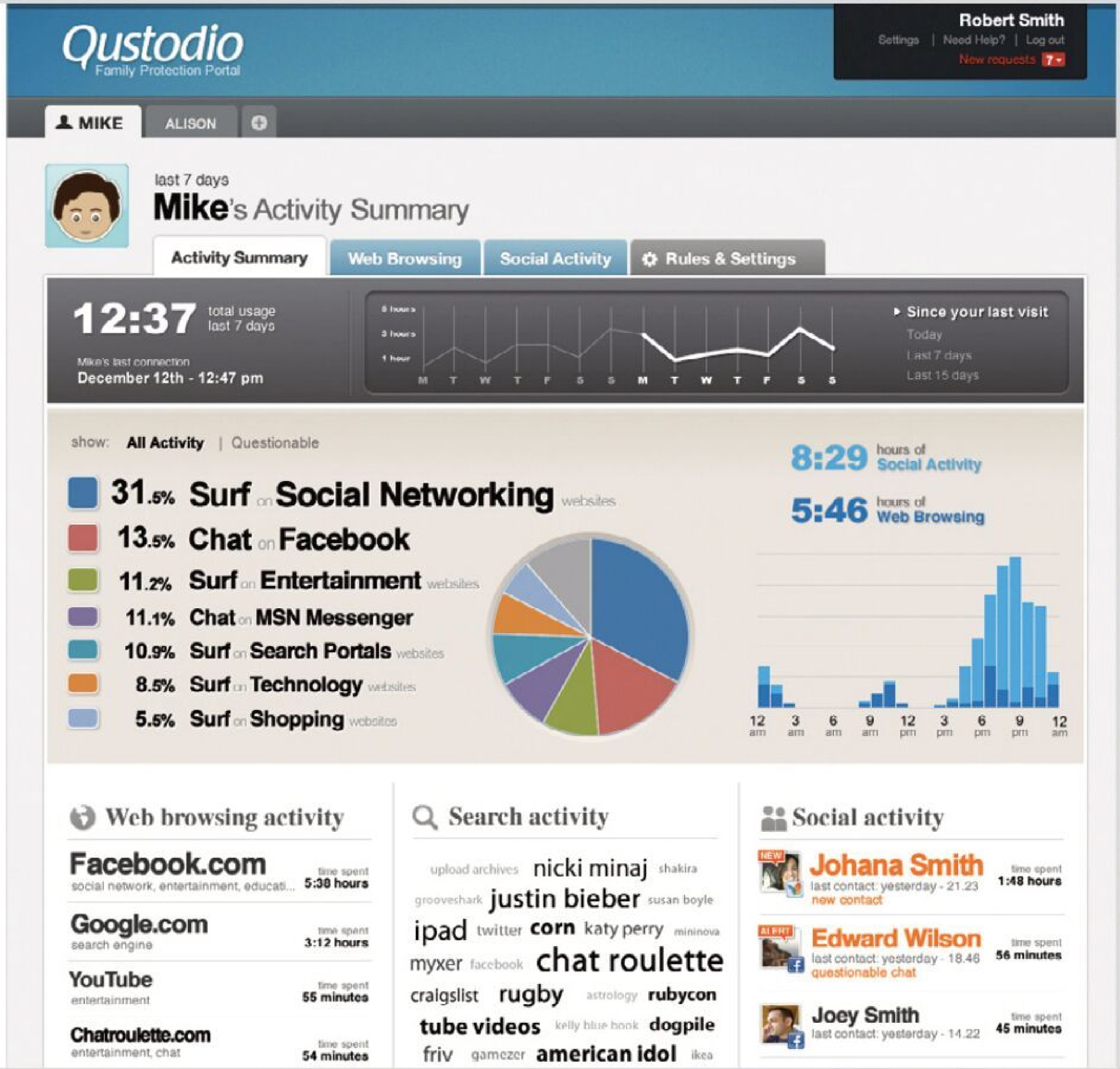
Spyrix Personal Monitor is a powerful multifunctional program for complete and detailed remote monitoring of user activity. It can act as a keylogger, capture screenshots and much more.

Qustodio

Download From: www.qustodio.com

Anyone with teenage children will have felt the worry when letting them have freedom online. The Internet can be such a great thing but at the same time, it can be a truly awful place for kids if they (and you) are not careful. Qustodio is parental control designed for today’s busy, web-savvy parents. No hardware, no complicated set up, just a simple, web-based dashboard that gives you the info you need at a glance. Whether your kids use the family computer, personal laptop, tablet or mobile phone, Qustodio is there to set healthy limits, block questionable sites and keep kids safe.

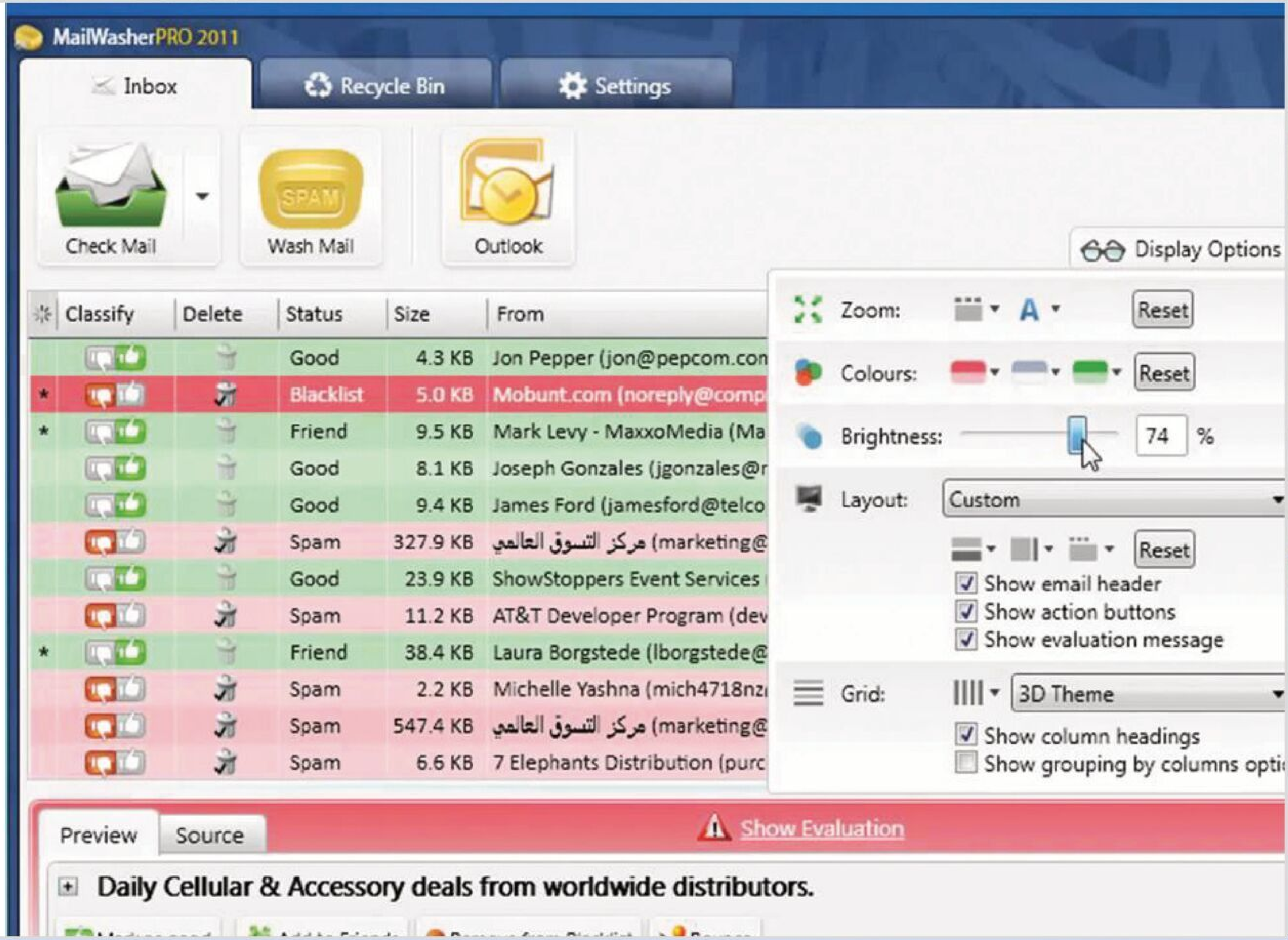
You can see the apps your kids use, the searches they conduct, the social sites they visit and the people they hang out with online. The parent dashboard condenses each child’s Internet activities into easy-to-scan charts and graphs. You can also access daily timelines for minute-by-minute details on your child’s activities, plus a full record of the potentially harmful apps, websites and social profiles your child interacted with. This means that round-the-clock supervision doesn’t have to be time consuming; just select the sites you wish to block, choose time limits for online activities and the software does the rest.


Qustodio
Family Protection Portal
Robert Smith
Settings | Need Help? | Log out
New requests 7
MIKE
ALISON
last 7 days
Mike's Activity Summary
Activity Summary
Web Browsing
Social Activity
Rules & Settings
12:37 total usage last 7 days
Mike's last connection
December 12th - 12:47 pm
M T W T F S S M T W T F S S
Since your last visit
Today
Last 7 days
Last 15 days
show: All Activity | Questionable
31.5% Surf on Social Networking websites
13.5% Chat on Facebook
11.2% Surf on Entertainment websites
11.1% Chat on MSN Messenger
10.9% Surf on Search Portals websites
8.5% Surf on Technology websites
5.5% Surf on Shopping websites
8:29 hours of Social Activity
5:46 hours of Web Browsing
12 am 3 am 6 am 9 am 12 pm 3 pm 6 pm 9 pm 12 am
Web browsing activity
Facebook.com social network, entertainment, educati... time spent 5:30 hours
Google.com search engine time spent 3:12 hours
YouTube entertainment time spent 55 minutes
Chatroulette.com entertainment, chat time spent 54 minutes
Search activity
upload archives nicki minaj shakira grooveshark justin bieber susan boyle ipad twitter corn katy perry mininova myxer facebook chat roulette craigslist rugby astrology rubycon tube videos kelly blue book dogpile friv gamezer american idol ikea
Social activity
NEW Johana Smith last contact: yesterday - 21.23 new contact time spent 1:48 hours
ALERT Edward Wilson last contact: yesterday - 18.46 questionable chat time spent 56 minutes
Joey Smith last contact: yesterday - 14.22 time spent 45 minutes

MailWasher Free

Download From: www.mailwasher.net

Spam emails are one of those annoying and potentially harmful things that just don’t seem to go away, despite the advances in technology and the evolution of how we use it. It is not always clear how our email addresses get into the hands of the spammers but for almost anyone who uses the Internet regularly, there will come a time when they start to arrive. The Nigerian princes, the fake bank messages or even just the sales letters for products we have no interest in. We can block and delete these as they arrive and most email clients include some spam tools. However a far more complete solution is MailWasher.


MailWasherPRO 2011
Inbox
Recycle Bin
Settings
Check Mail
Wash Mail
Outlook
Display Options
Reset
Preview
Source
Show Evaluation

	Classify	Delete	Status	Size	From
			Good	4.3 KB	Jon Pepper (jon@pepcom.con
*			Blacklist	5.0 KB	Mobunt.com (noreply@comp
*			Friend	9.5 KB	Mark Levy - MaxxoMedia (Ma
			Good	8.1 KB	Joseph Gonzales (jgonzales@r
			Good	9.4 KB	James Ford (jamesford@telco
			Spam	327.9 KB	مركز التسوق العالمي (marketing@
			Good	23.9 KB	ShowStoppers Event Services
			Spam	11.2 KB	AT&T Developer Program (dev
*			Friend	38.4 KB	Laura Borgstede (lborgstede@
			Spam	2.2 KB	Michelle Yashna (mich4718nz
			Spam	547.4 KB	مركز التسوق العالمي (marketing@
			Spam	6.6 KB	7 Elephants Distribution (purc

Zoom:
Colours:
Brightness: 74 %
Layout: Custom
☑ Show email header
☑ Show action buttons
☑ Show evaluation message
Grid: 3D Theme
☑ Show column headings
☐ Show grouping by columns opti

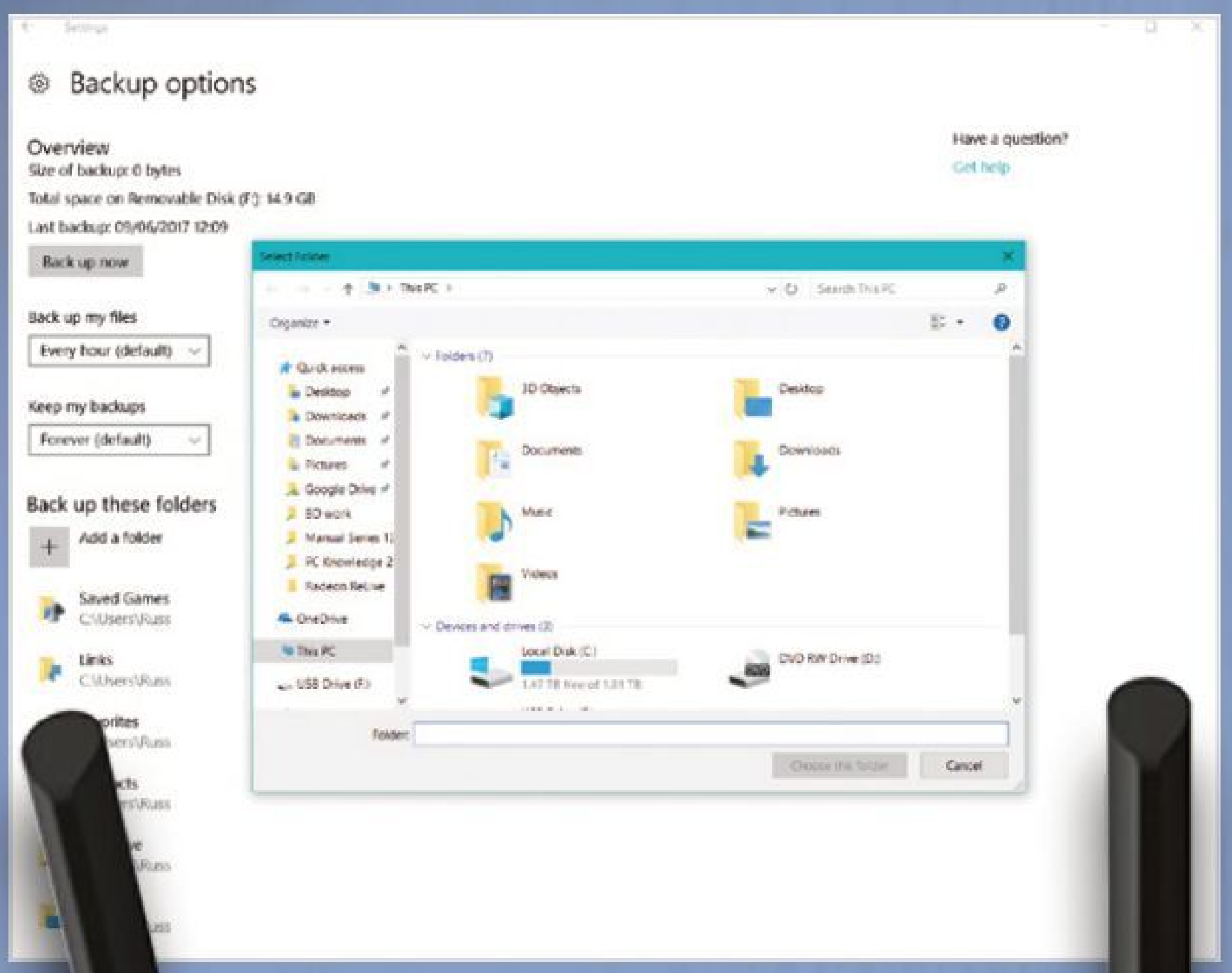
Daily Cellular & Accessory deals from worldwide distributors.

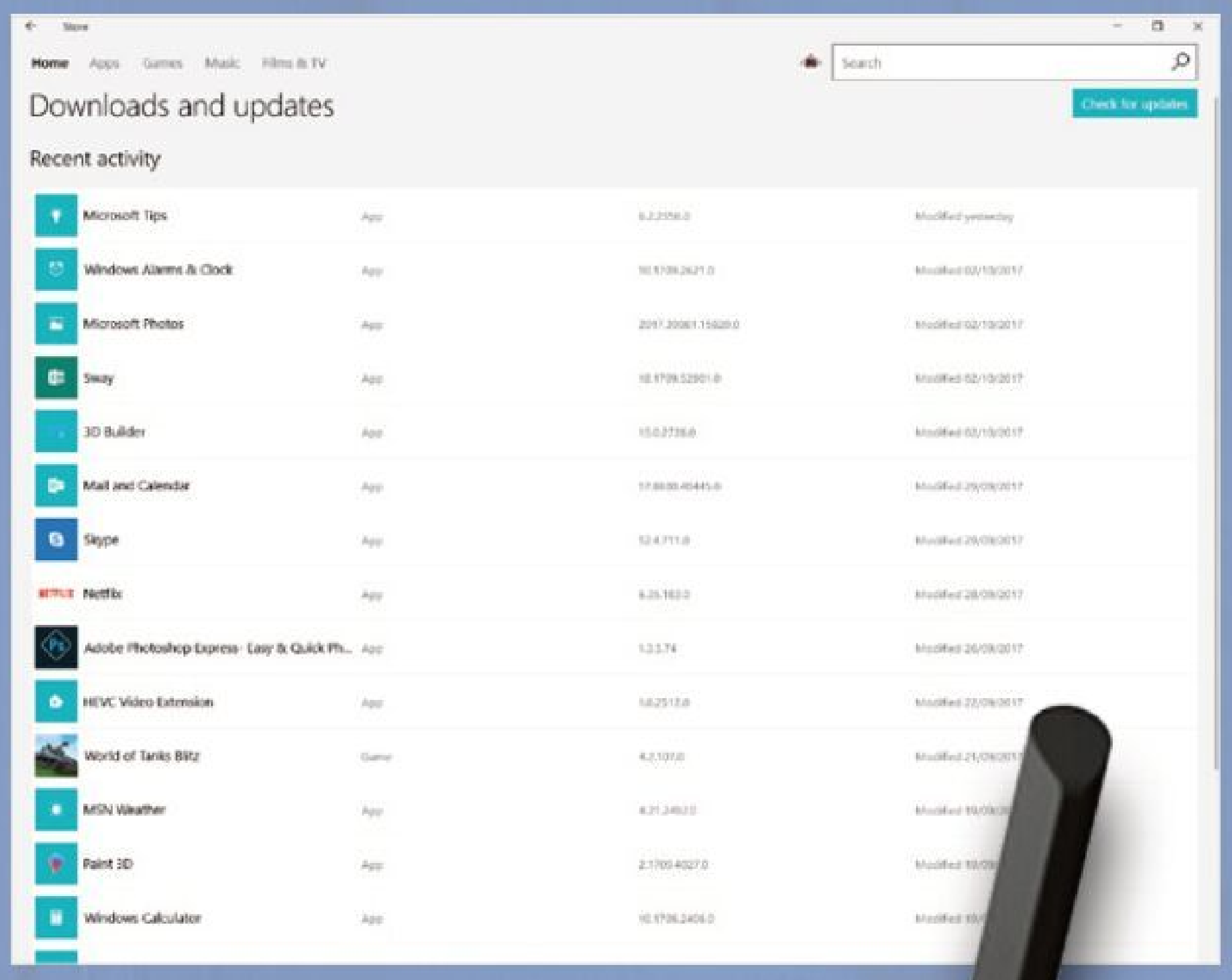
Windows 10 Security Checklist

Taking the time to write down an effective security plan for your home network will pay dividends in the long-run. With it you're able to spot potential leaks in security, secure your home network Wi-Fi and powerline adapter technologies and ensure digital peace of mind.

Plan Ahead

We've come up with a template security checklist which you can use to create your own: for your home network. Tick each section and remember to keep checking regularly and alter it as new devices are added.


Backup options
Overview
Back up now
Back up my files
Keep my backups
Back up these folders
Add a folder


Downloads and updates
Recent activity
Check for updates

TP-LINK
AC1350

Checklist

- ☐ **Router Check** – Make sure that your router's admin password and access passwords are in a secure, unviewable place. So visitors can't see them when they come into your home.
- ☐ **Wi-Fi Security Check** – Log in to your router and check that the Wi-Fi is using WPS2. Check also the currently attached devices for any anomalies. If you use any other form of router security, double check it's still functioning as updates can reset routers.
- ☐ **Wireless Positioning Check** – Using a Wi-Fi analyser on your phone or tablet, measure the impact of the wireless signal from the router. If it's reaching out into the street and not so much the rear of the house, then consider moving it. Keep an eye on the signal power and weak locations.
- ☐ **OS Update Check** – Check for any operating system updates on all the computers and Windows mobile devices that connect to the home network.
- ☐ **Security Suite Update Check** – Run a similar update check on any antivirus clients, VPN clients and other third-party security programs and applications.
- ☐ **Program and App Update Check** – Run any update checks on frequently used programs and applications. After that, run as many updates on other installed programs on all your computers.
- ☐ **Installed Rogue Program and App Check** – Check each computer on the network for its list of installed programs. If there's anything in there that doesn't look right, research it and remove it if necessary. Make a note of the programs installed (as a screen shot or physical note) and compare them with each frequent check.
- ☐ **Password Reset Check** – Set a regular, usually 30-day, password reset. Each individual user should be able to reset all their passwords for every site they visit and make sure that the passwords they're using are strong. Use a password manager and password generator if needed.
- ☐ **Firewall Integrity Check** – Check that the firewall on each computer, and potentially any devices, is up and running and that there are no rogue programs within the inbound and outbound rules set.
- ☐ **Back up Important Files** – Make sure that each computer and device is regularly backed up. We'll cover how to effectively back up a Windows 10 computer on later pages. Back up important documents and keep the backup copy somewhere safe; consider purchasing a fireproof safe.

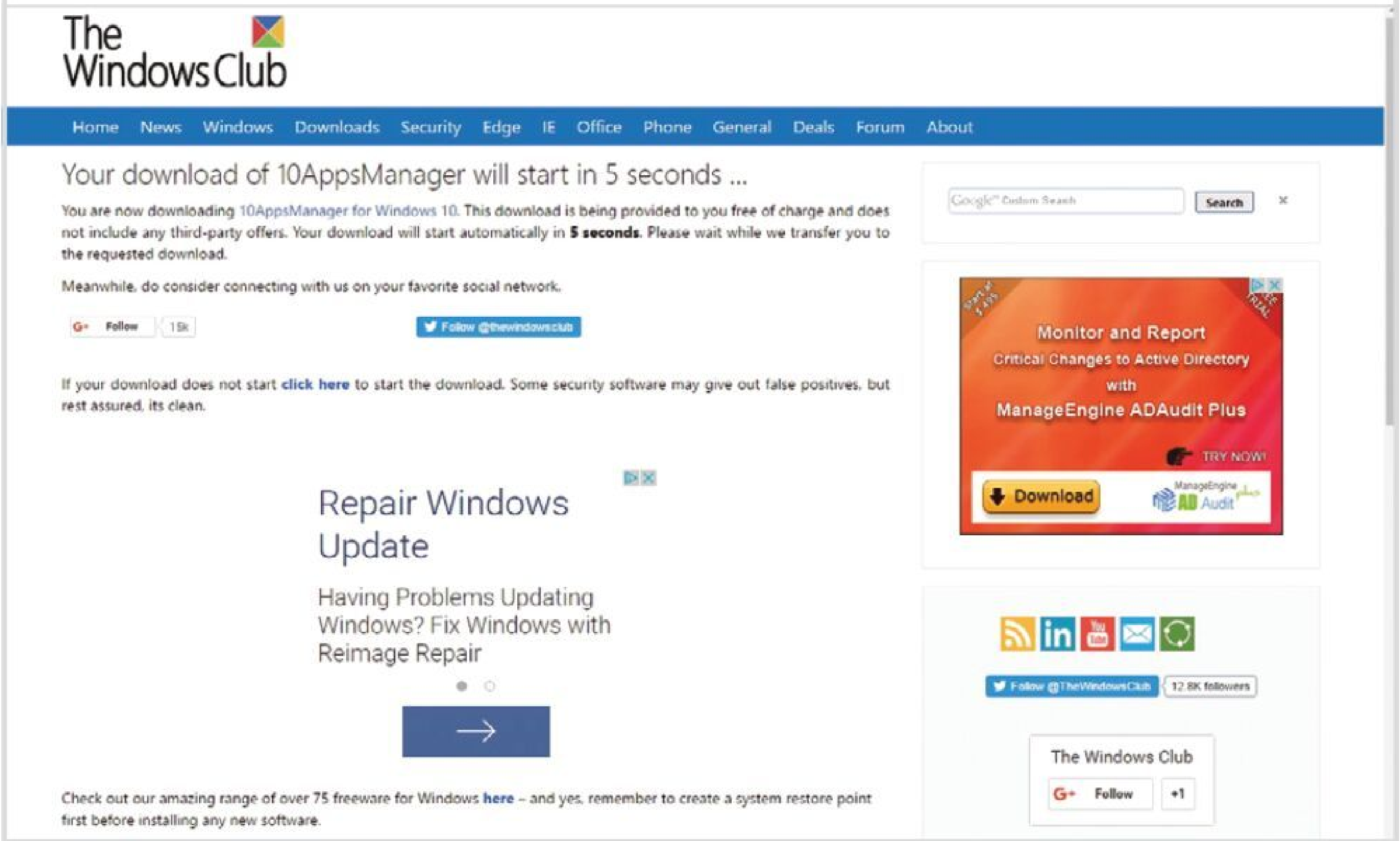
Remove Unwanted Windows 10 Bloatware

The choice to enable free upgrades to Windows 10 for existing Windows users was an almost inevitable step by Microsoft. Almost as inevitable was an increase in bloatware, similar to that seen on Android devices. Thankfully there are ways to remove or disable most of it.

Working with 10Apps Manager

Adding software to remove other software may seem counterintuitive but this is a safer way to clean up bloatware than trying to remove it manually.

1 You can download the 10Apps Manager software from a variety of file download sites or you can get it directly from the creators at The Windows Club (www.thewindowsclub.com). It should be free wherever you download it from, so don't be fooled into paying for this software.


The Windows Club
Home News Windows Downloads Security Edge IE Office Phone General Deals Forum About
Search
Follow
Follow @thewindowsclub
Monitor and Report Critical Changes to Active Directory with ManageEngine ADAudit Plus
TRY NOW!
Download
Repair Windows Update
Having Problems Updating Windows? Fix Windows with Reimage Repair
Follow @TheWindowsClub
12.8K followers
The Windows Club
Follow
+1

Your download of 10AppsManager will start in 5 seconds ...

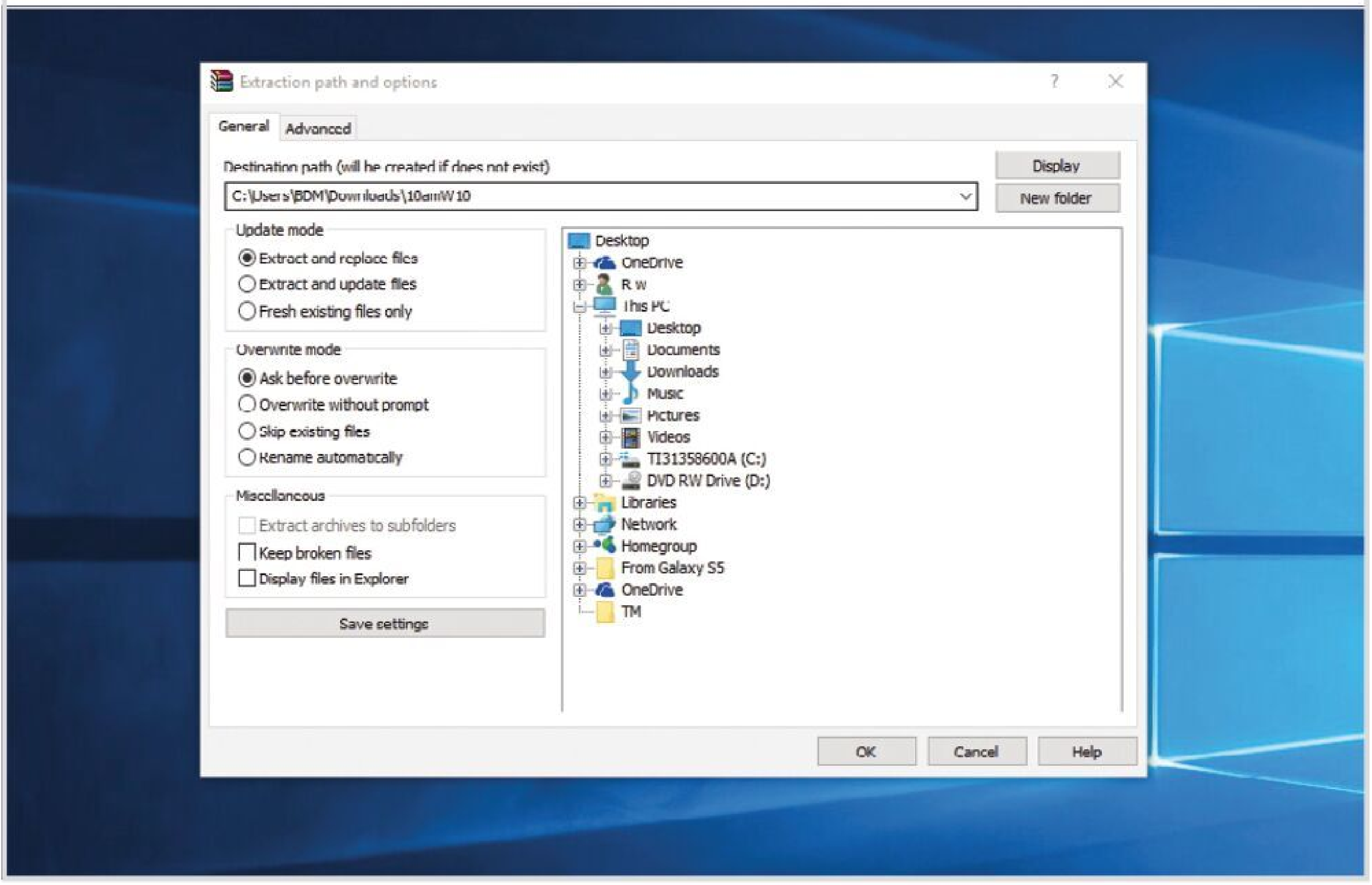
You are now downloading 10AppsManager for Windows 10. This download is being provided to you free of charge and does not include any third-party offers. Your download will start automatically in **5 seconds**. Please wait while we transfer you to the requested download.

Meanwhile, do consider connecting with us on your favorite social network.

If your download does not start **click here** to start the download. Some security software may give out false positives, but rest assured, its clean.

Check out our amazing range of over 75 freeware for Windows **here** – and yes, remember to create a system restore point first before installing any new software.

2 Extract the contents of the downloaded 10Apps Manager zip file and place the folder in your Program Folder and pin the shortcut of its .exe file to your Start menu. Do not separate out the contents of the Program folder. You don't need to install the software.


Extraction path and options
General
Advanced
Display
New folder
Desktop
OneDrive
R w
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
TI31358600A (C:)
DVD RW Drive (D:)
Libraries
Network
Homegroup
From Galaxy S5
OneDrive
TM
Save settings
OK
Cancel
Help

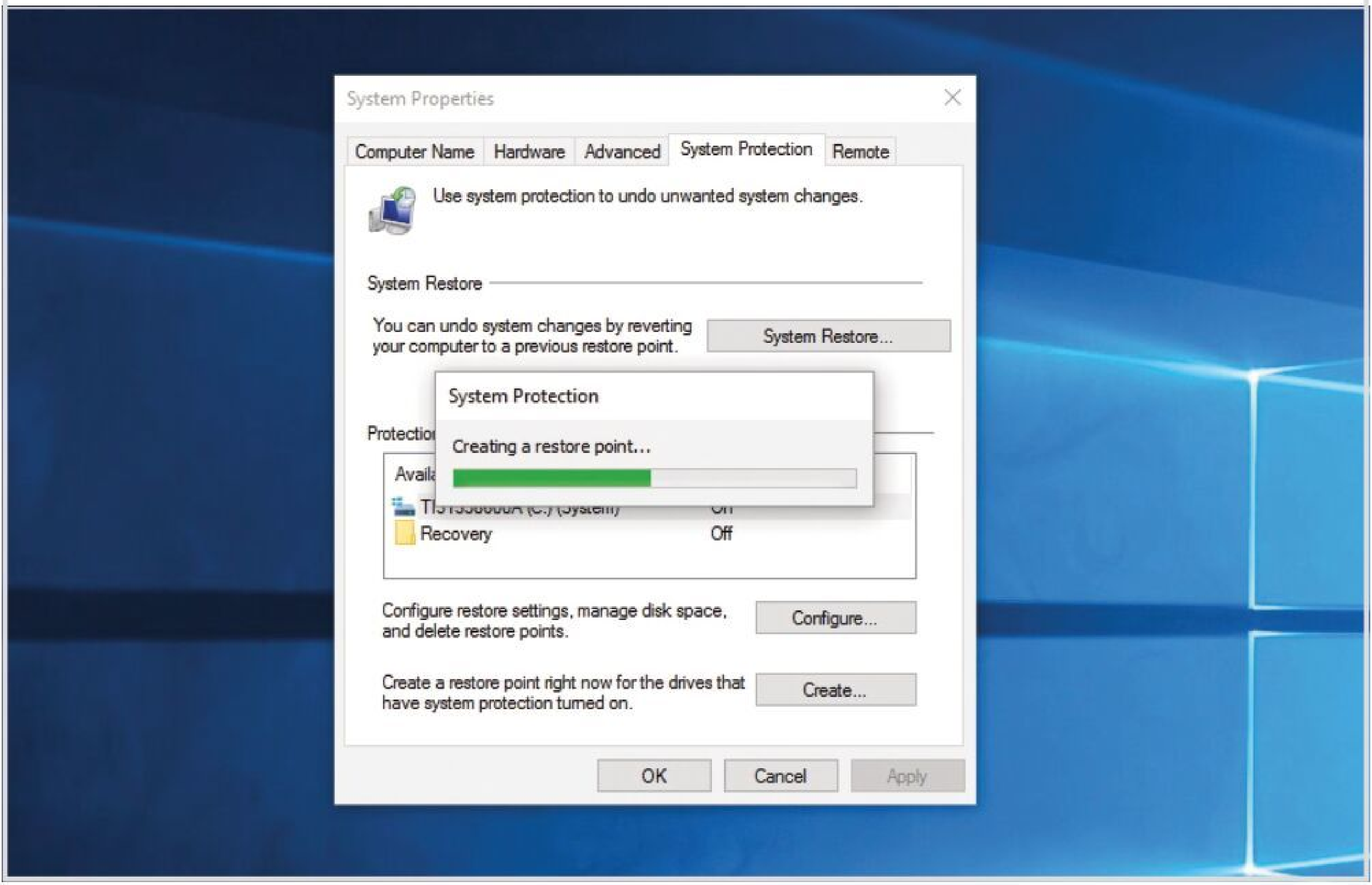
Destination path (will be created if does not exist)
C:\Users\BDM\Downloads\10amW10

Update mode
● Extract and replace files
○ Extract and update files
○ Fresh existing files only

Overwrite mode
● Ask before overwrite
○ Overwrite without prompt
○ Skip existing files
○ Rename automatically

Miscellaneous
☐ Extract archives to subfolders
☐ Keep broken files
☐ Display files in Explorer

3 As when making any large system changes to your computer, you should create a system restore point first. You can do this via Start menu > Control Panel > System Properties > System Protection. Configure the restore settings and click "Create".


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
System Restore
System Restore...
Protectio
Availa
Configure...
Create...
OK
Cancel
Apply

Use system protection to undo unwanted system changes.

You can undo system changes by reverting your computer to a previous restore point.

System Protection

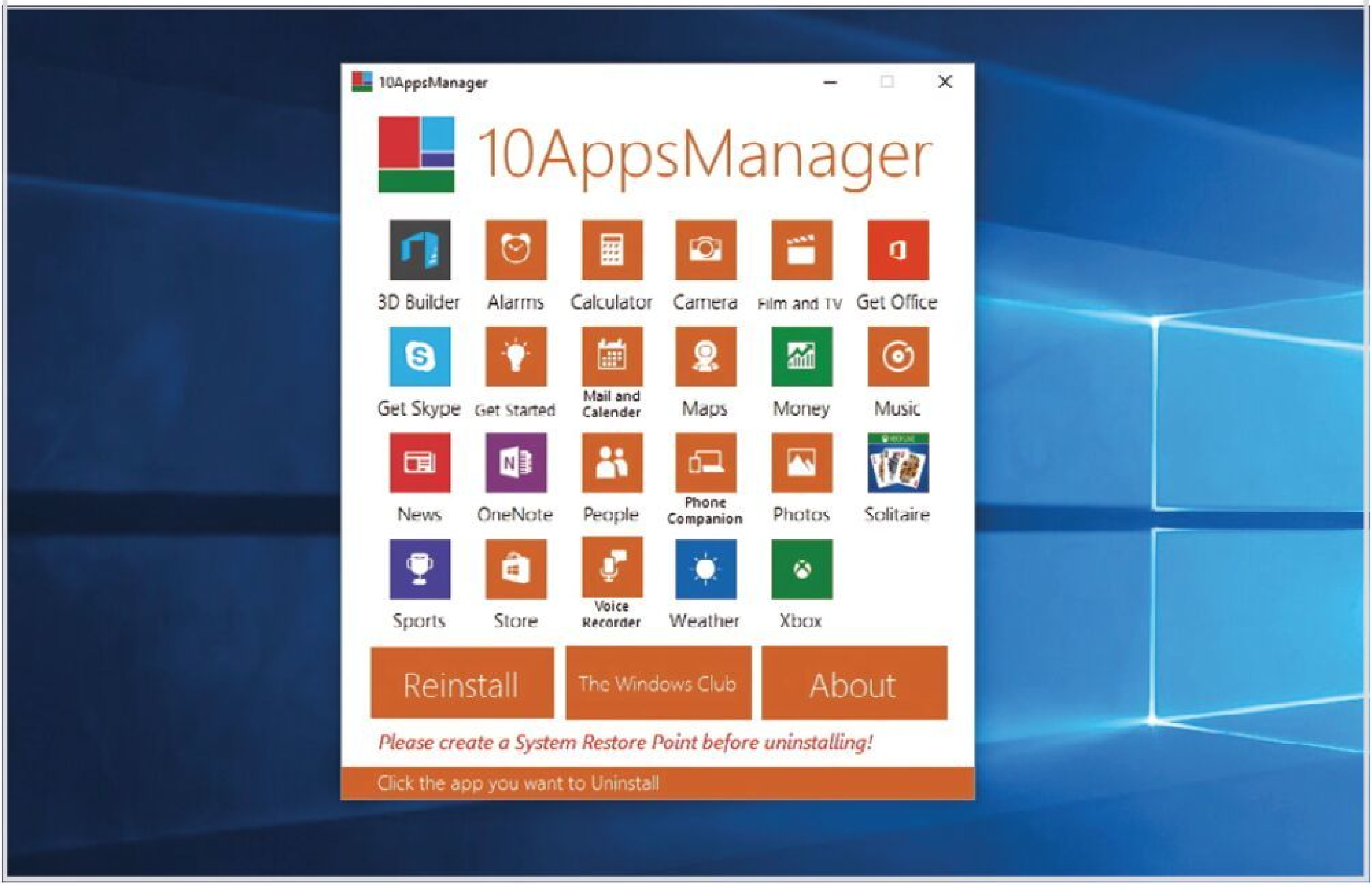
Creating a restore point...

Recovery Off

Configure restore settings, manage disk space, and delete restore points.

Create a restore point right now for the drives that have system protection turned on.

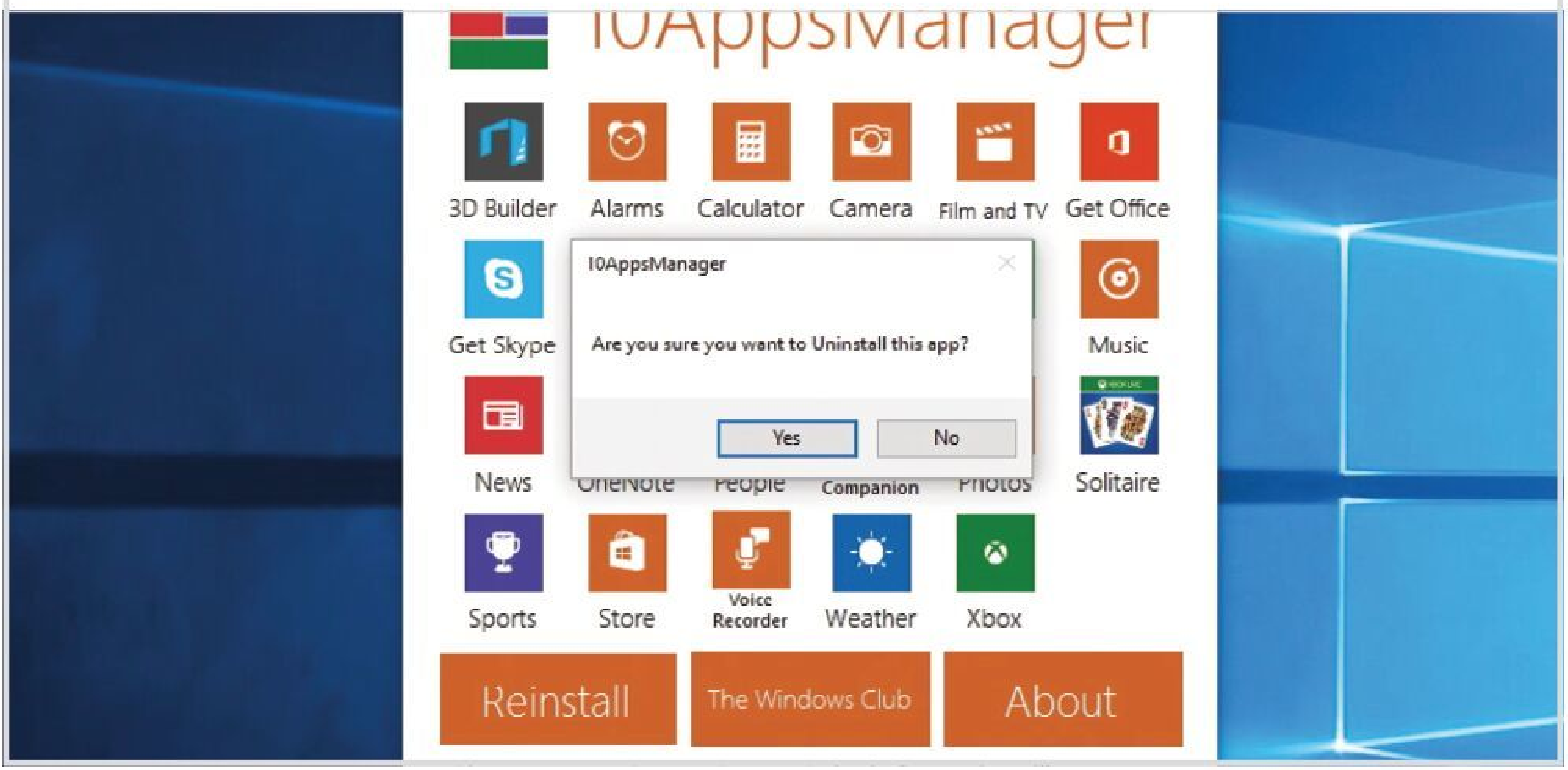
4 You can now double-click the 10Apps Manager .exe file to open the software on your computer. The extremely simple main interface will now open. Each of the tiles represents a piece of preinstalled software that you can uninstall if you have no use for it.


10AppsManager
10AppsManager
3D Builder
Alarms
Calculator
Camera
Film and TV
Get Office
Get Skype
Get Started
Mail and Calender
Maps
Money
Music
News
OneNote
People
Phone Companion
Photos
Solitaire
Sports
Store
Voice Recorder
Weather
Xbox
Reinstall
The Windows Club
About

Please create a System Restore Point before uninstalling!

Click the app you want to Uninstall

5 Click on any of the tiles and then confirm that you want to uninstall the app. You may need to wait a few seconds for the process to complete. You can delete as many preinstalled apps as you wish but if an app does not appear as a tile on the screen, you won't be able to add it.

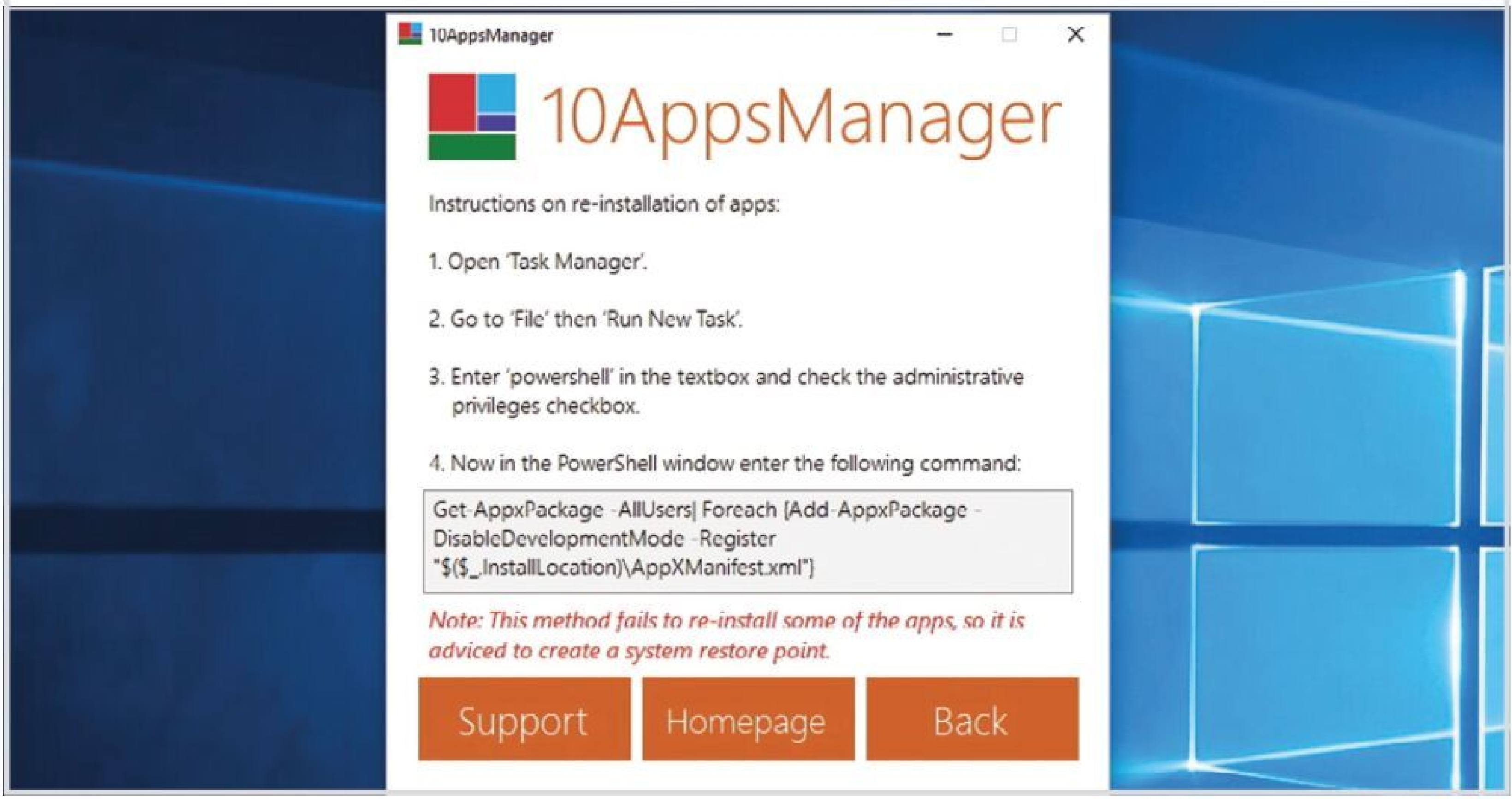

10AppsManager
3D Builder
Alarms
Calculator
Camera
Film and TV
Get Office
Get Skype
Music
News
OneNote
People
Companion
Photos
Solitaire
Sports
Store
Voice Recorder
Weather
Xbox
Reinstall
The Windows Club
About

10AppsManager

Are you sure you want to Uninstall this app?

Yes No

6 You can reinstall any of the apps you uninstall through 10Apps Manager. The only slight annoyance is that the software doesn't remove or alter the tile once the app is uninstalled, so it is a good idea to make a note of which apps you remove from your system.


10AppsManager
10AppsManager
Support
Homepage
Back

Instructions on re-installation of apps:

1. Open 'Task Manager'.

2. Go to 'File' then 'Run New Task'.

3. Enter 'powershell' in the textbox and check the administrative privileges checkbox.

4. Now in the PowerShell window enter the following command:

```
Get-AppxPackage -AllUsers| Foreach {Add-AppxPackage -
DisableDevelopmentMode -Register
"$($_.InstallLocation)\AppXManifest.xml"}
```

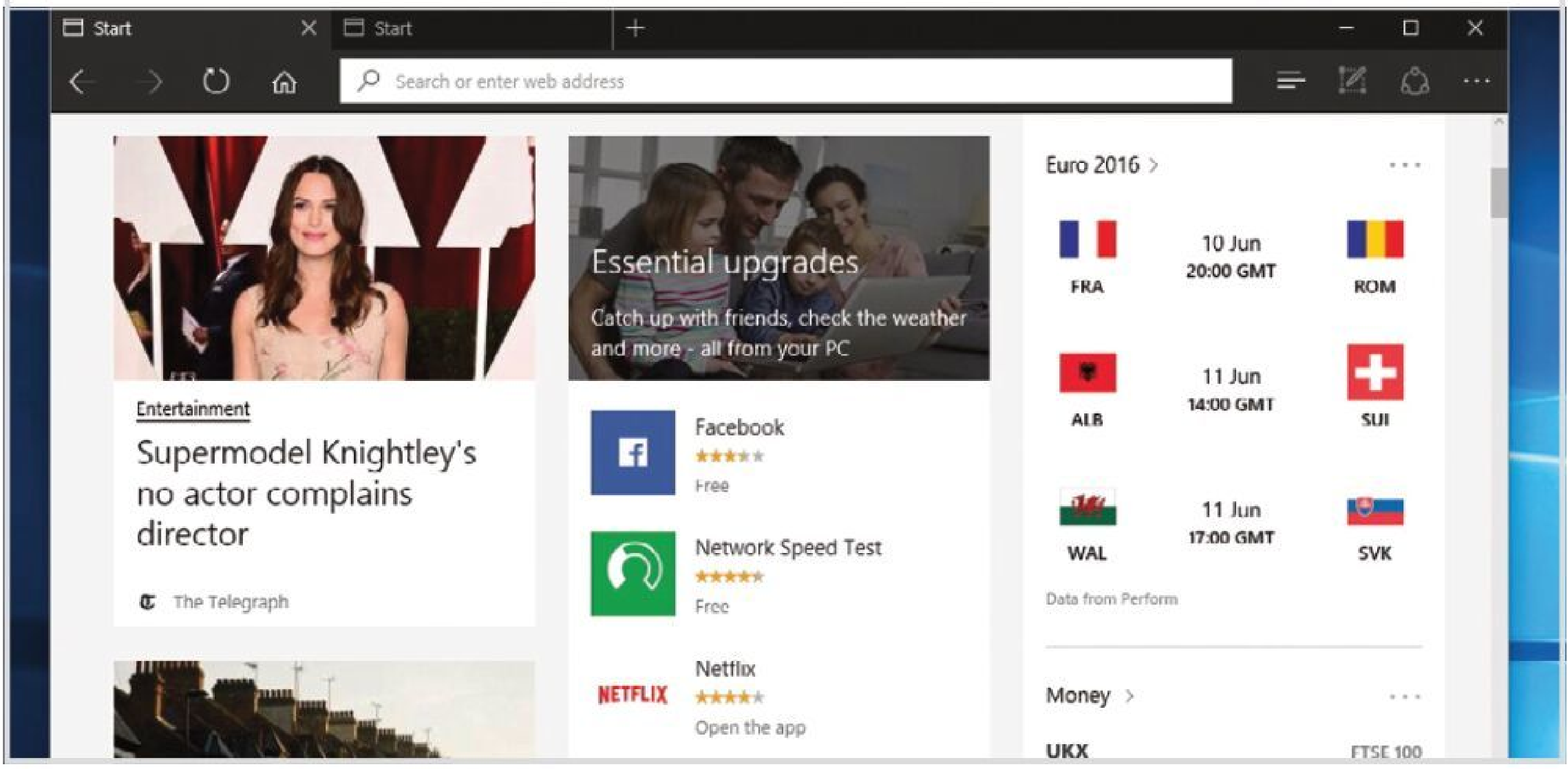
Note: This method fails to re-install some of the apps, so it is adviced to create a system restore point.

Disabling Other Features

There are several other features that, although not technically bloatware, might not be doing your computer performance any favours. Let's take a look at some of the worst offenders.

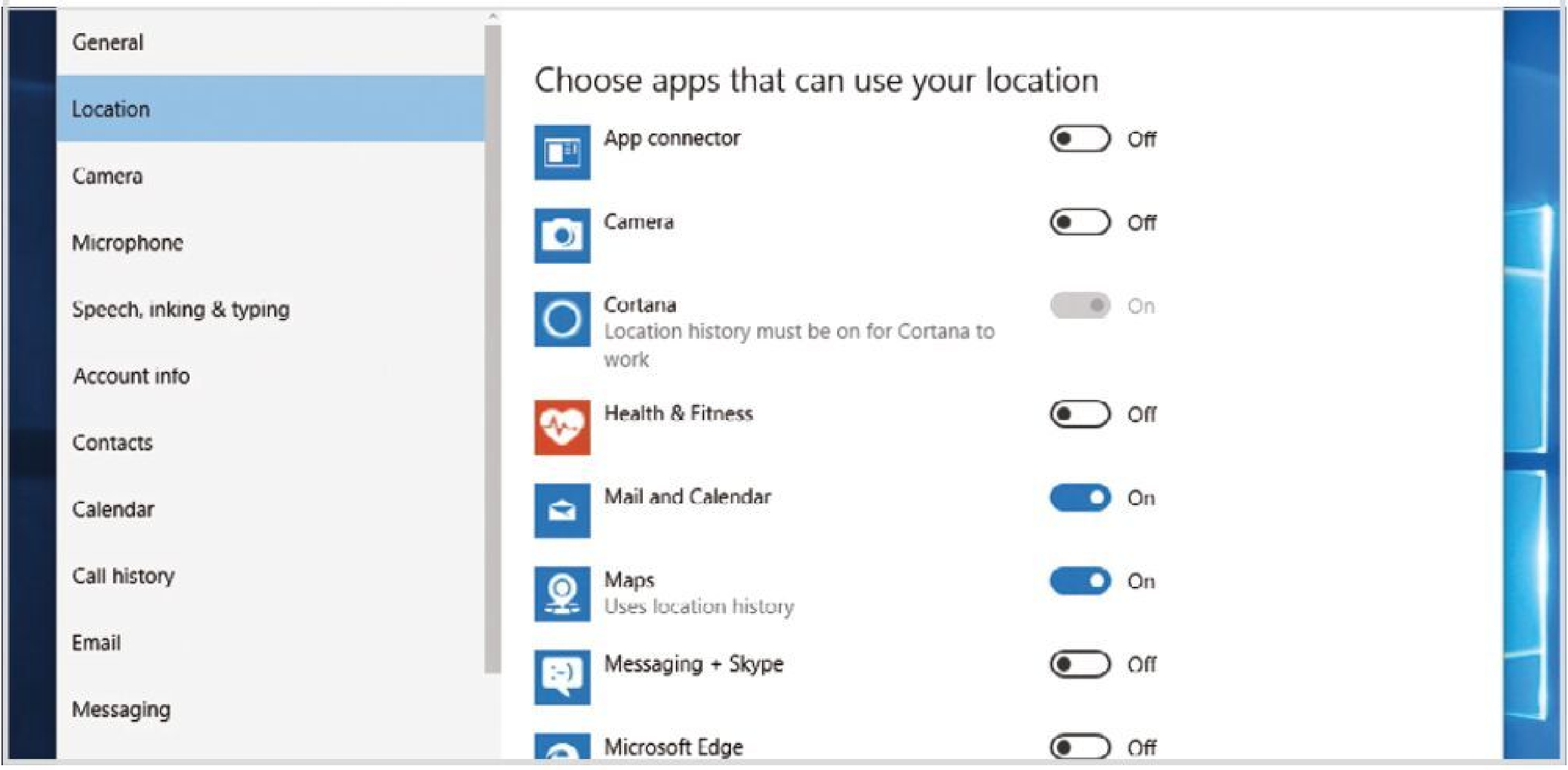
Targeted Ads

Windows 10 assigns every user a unique advertising ID to make it easier to provide you with targeted adverts. While this cannot be removed, it can be disabled. Head to the "General" tab in Windows 10's Privacy menu. Disable the topmost toggle switch labelled "Let apps use my advertising ID ..."


Start
Start
Search or enter web address
Essential upgrades
Catch up with friends, check the weather and more - all from your PC
Euro 2016
FRA
10 Jun 20:00 GMT
ROM
ALB
11 Jun 14:00 GMT
SUI
WAL
11 Jun 17:00 GMT
SVK
Data from Perform
Entertainment
Supermodel Knightley's no actor complains director
The Telegraph
Facebook
Free
Network Speed Test
Free
Netflix
Open the app
Money
UKX
FTSE 100

App Location Access

Windows 10 third-party apps can access your location, webcam, microphone and more by default. Not all apps require these permissions. Go to Start menu > Settings > Privacy > Location and remove those permissions that seem unnecessary. Repeat for things like camera and microphone.

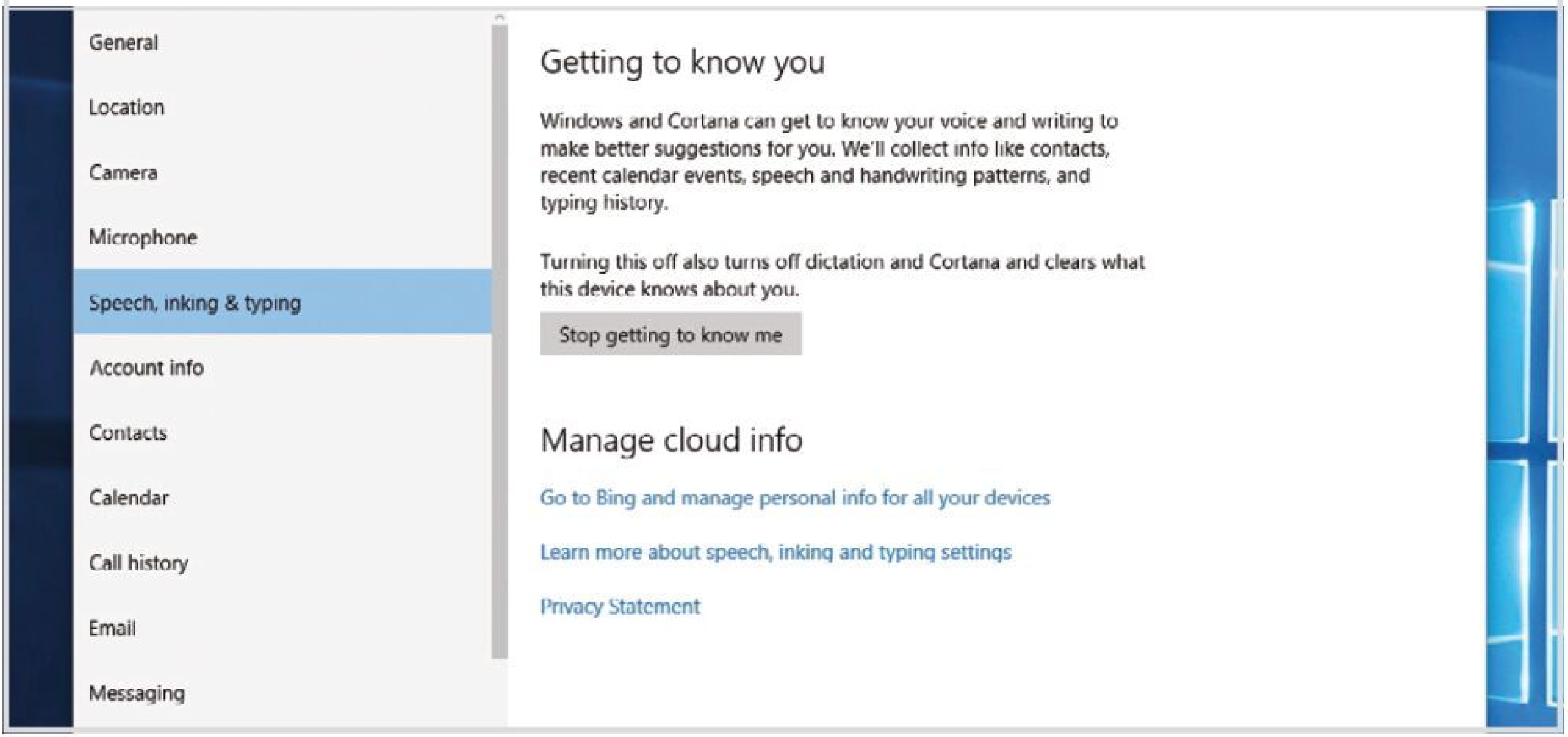

General
Location
Camera
Microphone
Speech, inking & typing
Account info
Contacts
Calendar
Call history
Email
Messaging

Choose apps that can use your location

App connector Off
Camera Off
Cortana On
Location history must be on for Cortana to work
Health & Fitness Off
Mail and Calendar On
Maps On
Uses location history
Messaging + Skype Off
Microsoft Edge Off

Getting to Know You

Meant to streamline the new Windows 10 user experience, the Getting to Know You feature records logs of your typing history, saves recordings of your voice, collects information from your contacts etc. Go to Start menu > Settings > Privacy > Speech, linking & typing > Stop Getting to Know Me.


General
Location
Camera
Microphone
Speech, inking & typing
Account info
Contacts
Calendar
Call history
Email
Messaging
Stop getting to know me

Getting to know you

Windows and Cortana can get to know your voice and writing to make better suggestions for you. We'll collect info like contacts, recent calendar events, speech and handwriting patterns, and typing history.

Turning this off also turns off dictation and Cortana and clears what this device knows about you.

Manage cloud info

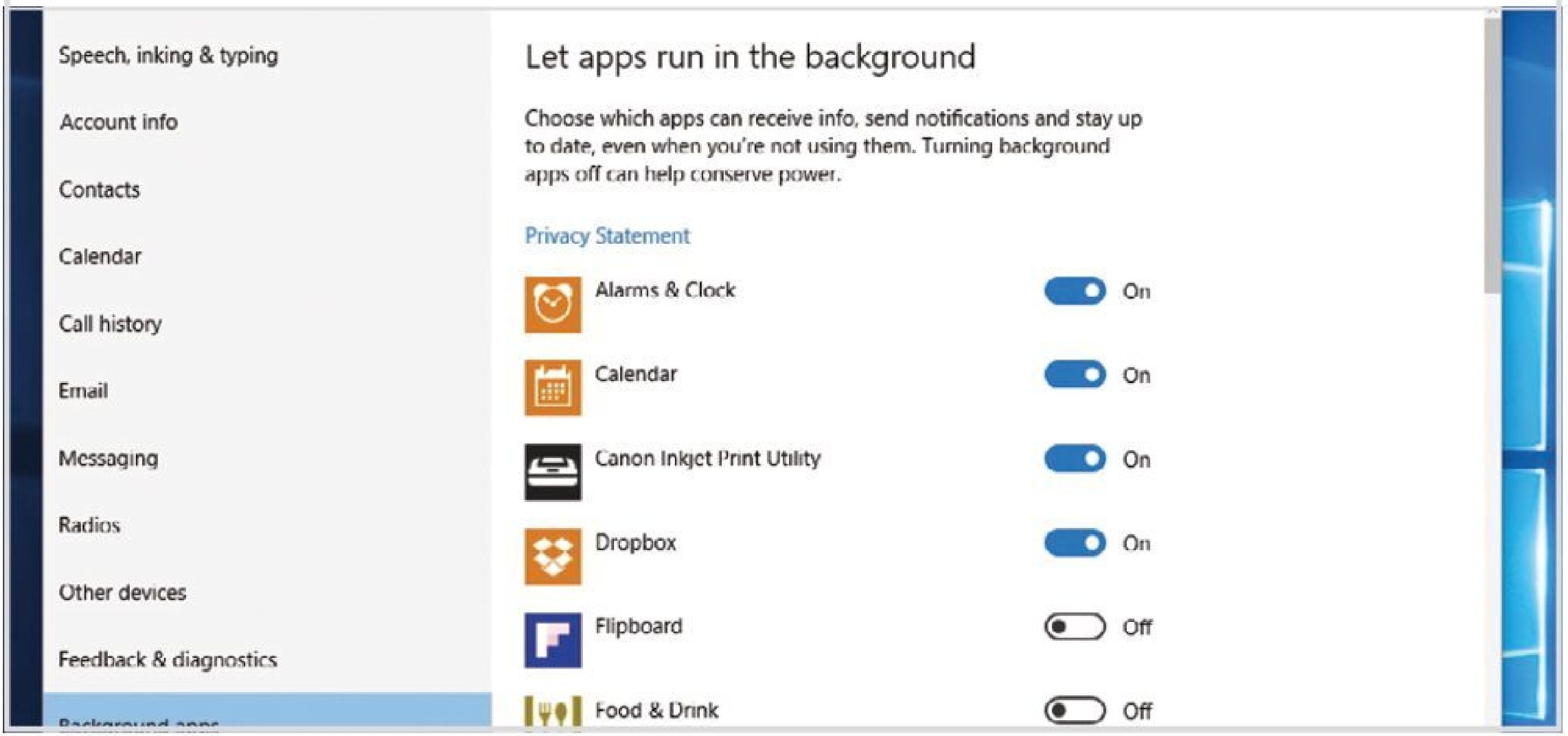
Go to Bing and manage personal info for all your devices

Learn more about speech, inking and typing settings

Privacy Statement

Background Apps

This last option seems simple but it can make a big impact in terms of battery life and performance. From the Privacy menu, scroll down to the bottom of the menu, then select the "Background apps" option. From here, simply use the toggle switches to prevent these apps from running on start-up.


Speech, inking & typing
Account info
Contacts
Calendar
Call history
Email
Messaging
Radios
Other devices
Feedback & diagnostics
Privacy Statement

Let apps run in the background

Choose which apps can receive info, send notifications and stay up to date, even when you're not using them. Turning background apps off can help conserve power.

Alarms & Clock On
Calendar On
Canon Inkjet Print Utility On
Dropbox On
Flipboard Off
Food & Drink Off

How to Free Up Space in Windows 10

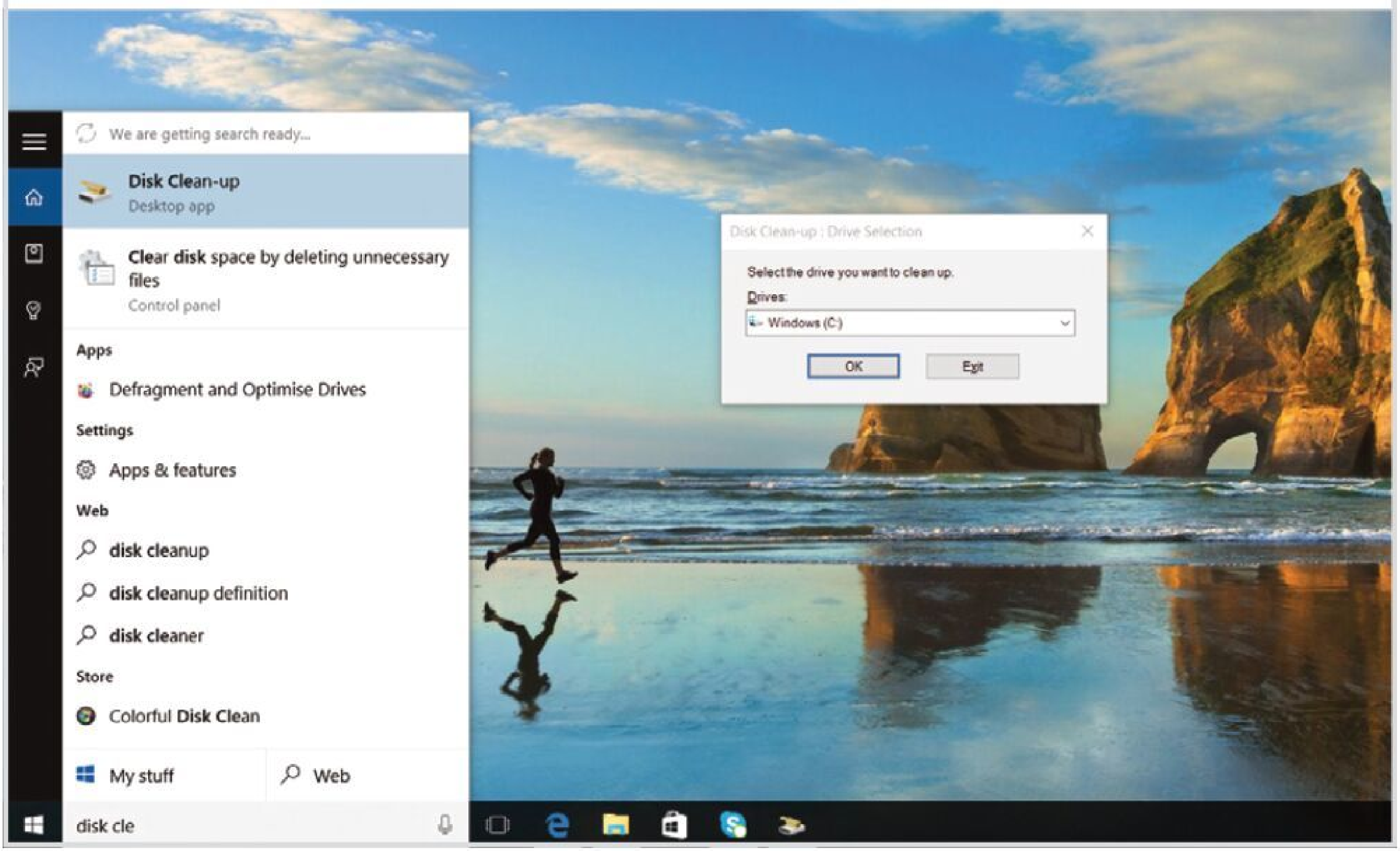
Disk Clean-up is the best way to free up space on your PC. It will clear up redundant files accumulating on your hard drive including temporary files and Downloaded Program files. But that's not the only way you can free up space, as you'll see…

Clearing Space on Your PC

It's worth giving your machine a little spring clean every so often to keep it lean. And that doesn't just mean removing unwanted files and folders from the desktop. Disk Clean-up should be an essential part of your PC maintenance.

Clean Up

Disk Clean-up is a utility included with every copy of Windows. When you launch it (here we've searched for it using the search box on the taskbar), you'll get this small window appear. It will help you rid your PC of detritus that builds up over time as you download files from the Internet or install and uninstall apps.

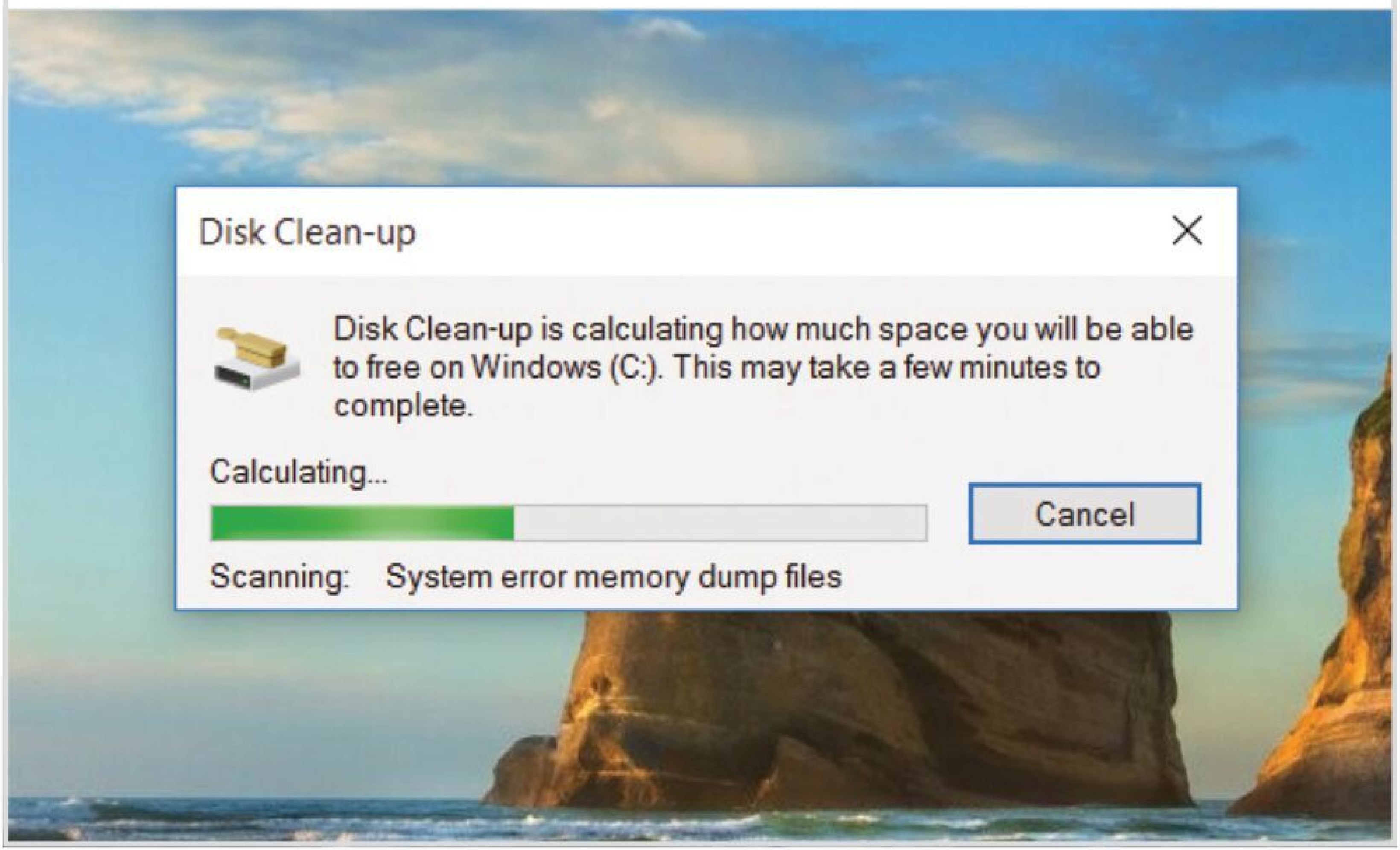

We are getting search ready...
Disk Clean-up
Desktop app
Clear disk space by deleting unnecessary files
Control panel
Apps
Defragment and Optimise Drives
Settings
Apps & features
Web
disk cleanup
disk cleanup definition
disk cleaner
Store
Colorful Disk Clean
My stuff
Web
disk cle
Disk Clean-up : Drive Selection
OK
Exit

Select the drive you want to clean up.

Drives: Windows (C:)

Which Drive?

You'll be asked to select the drive you want to clean up. Most of the time there'll only be one drive you wish to clean up (your C: drive), but it could well be that you've got more than one storage drive on your PC. Disk Clean-up will then begin to scan your drive for things it can sweep up.


Disk Clean-up
Cancel

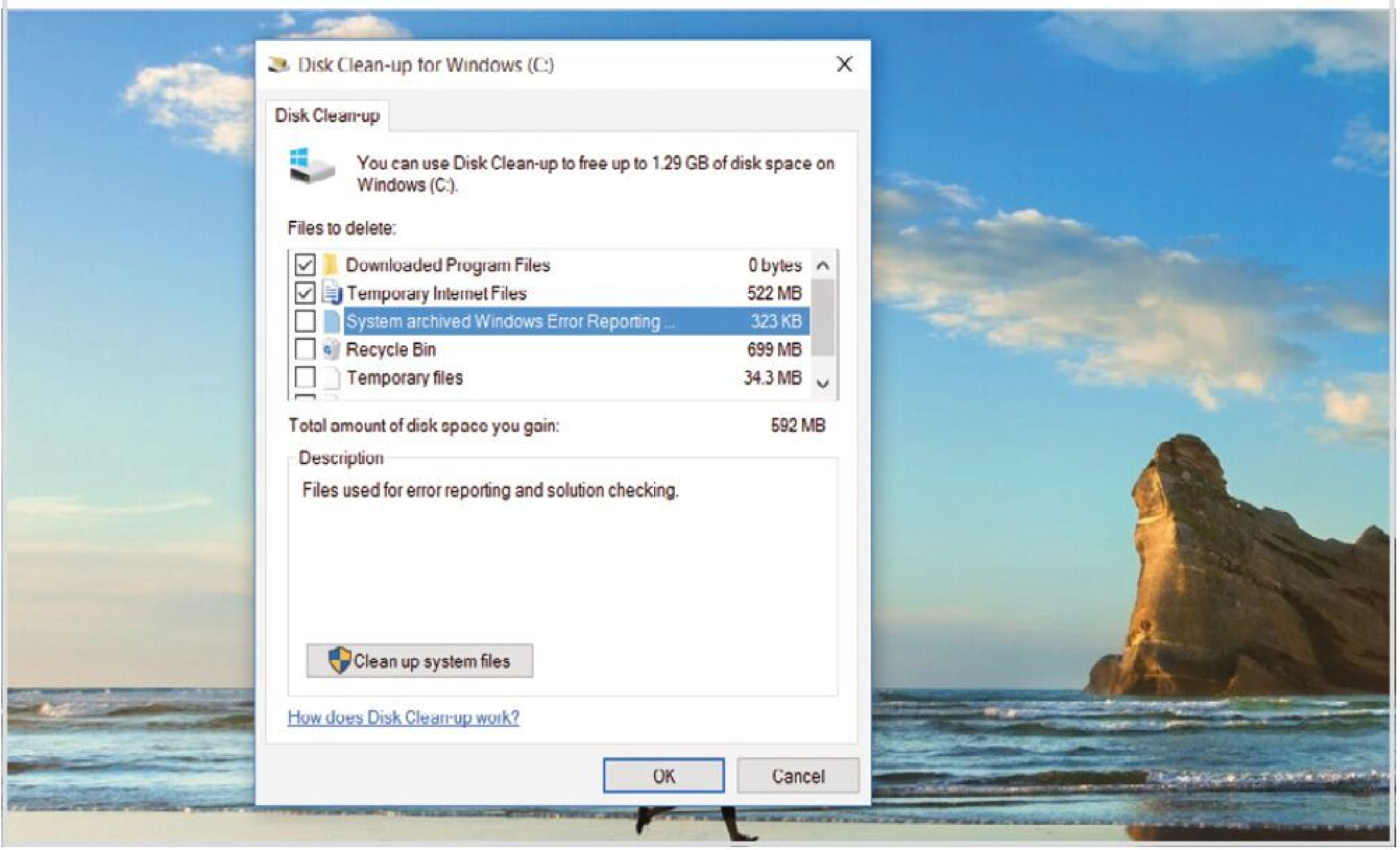
Disk Clean-up is calculating how much space you will be able to free on Windows (C:). This may take a few minutes to complete.

Calculating...

Scanning: System error memory dump files

Scan Results

If you're scanning a second hard drive, it's unlikely Disk Clean-up will find a lot on it as it is mostly concerned with Windows files. And that's what we're looking at here in the results window. As you can see, you can check which items you want to remove from your PC. Click OK to remove.


Disk Clean-up for Windows (C:)
Disk Clean-up
Clean up system files
How does Disk Clean-up work?
OK
Cancel

You can use Disk Clean-up to free up to 1.29 GB of disk space on Windows (C:).

Files to delete:

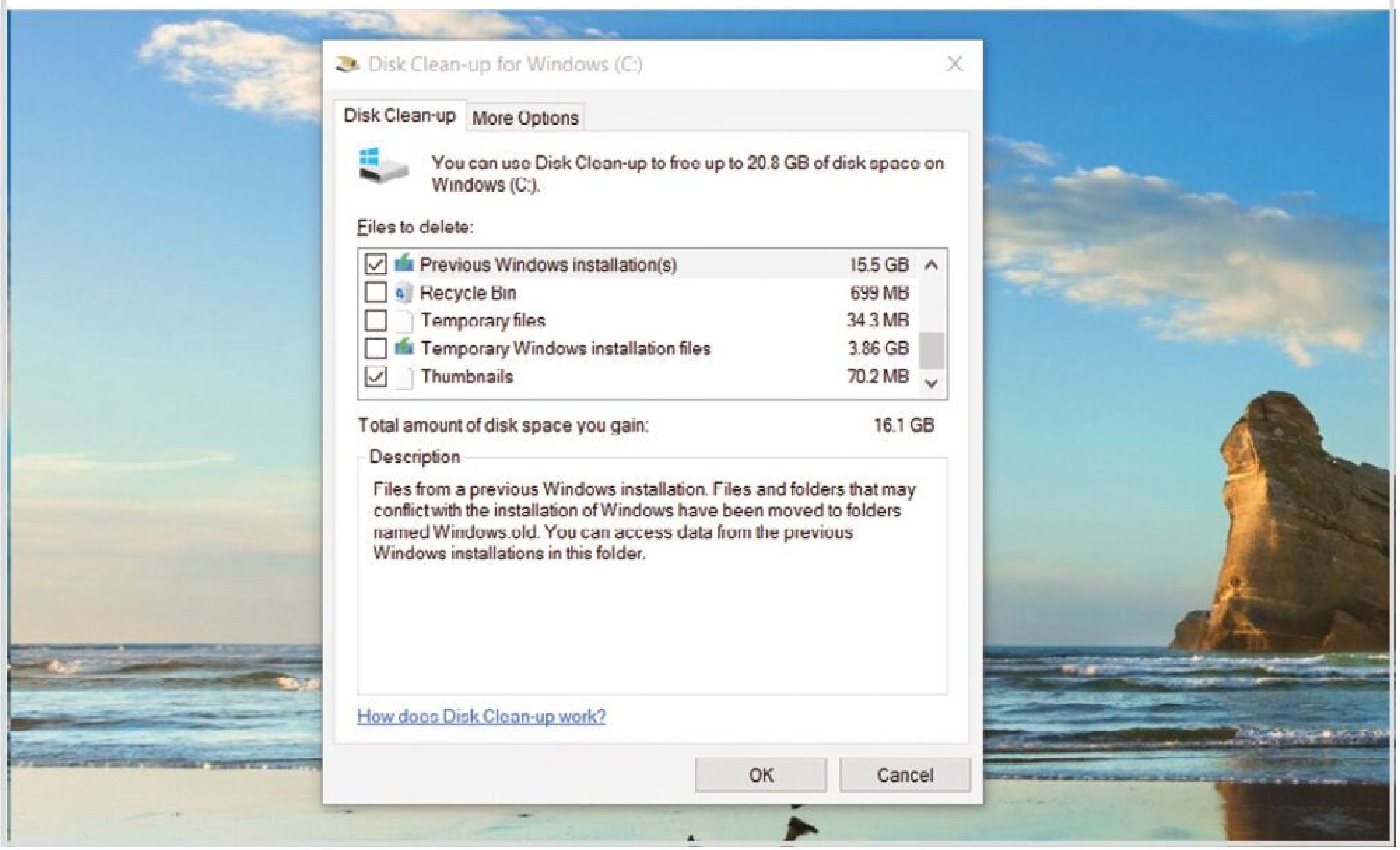
☑	Downloaded Program Files	0 bytes
☑	Temporary Internet Files	522 MB
☐	System archived Windows Error Reporting ...	323 KB
☐	Recycle Bin	699 MB
☐	Temporary files	34.3 MB

Total amount of disk space you gain: 592 MB

Description: Files used for error reporting and solution checking.

System Files

We actually didn't click OK in the last step; instead clicking the Clean Up System Files option. This won't harm your Windows installation, but will clean up extraneous files that some people prefer to keep. If you upgraded from an old copy of Windows, this includes your Windows.old folder on your hard drive.


Disk Clean-up for Windows (C:)
Disk Clean-up
More Options
How does Disk Clean-up work?
OK
Cancel

You can use Disk Clean-up to free up to 20.8 GB of disk space on Windows (C:).

Files to delete:

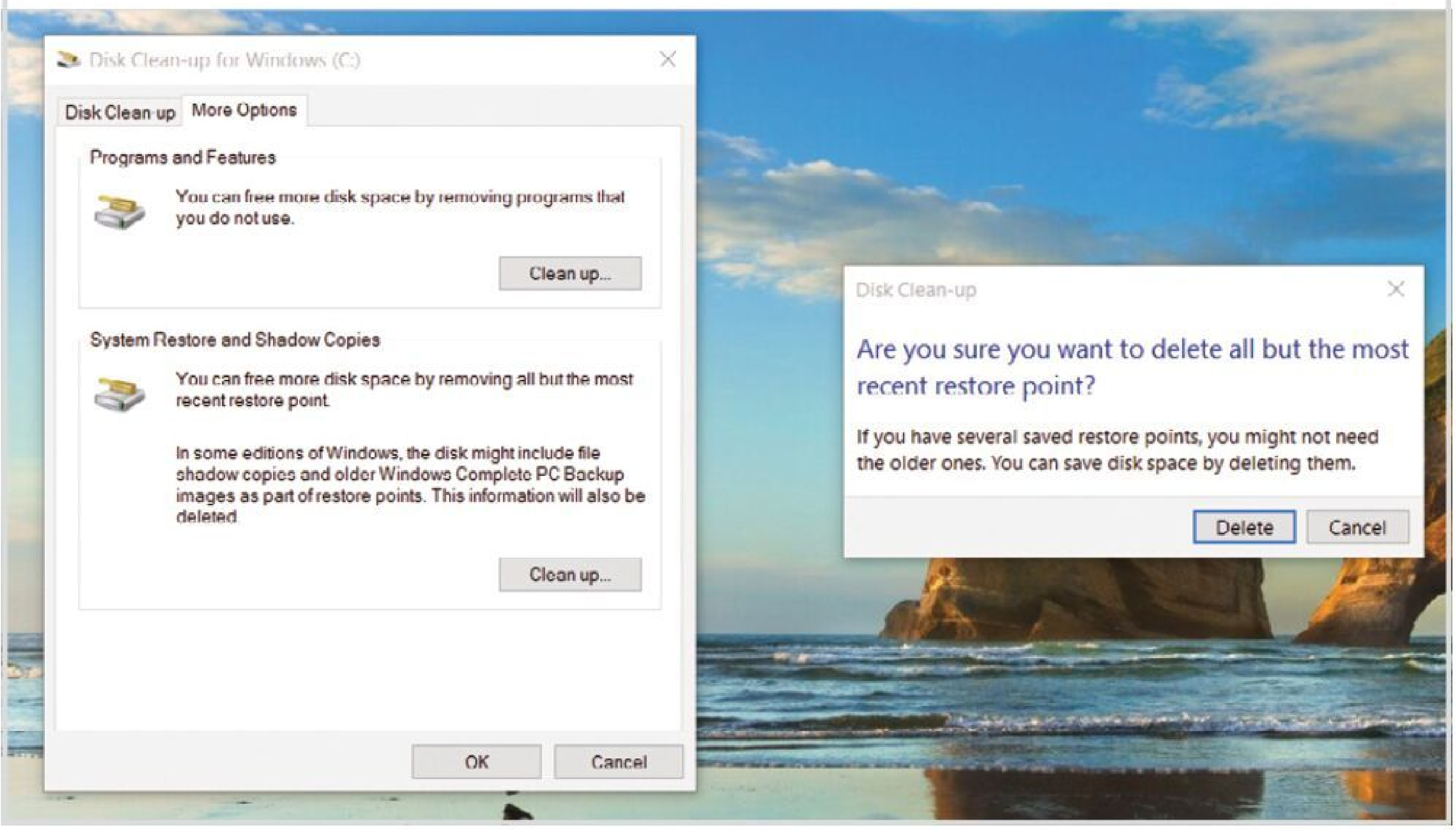
☑	Previous Windows installation(s)	15.5 GB
☐	Recycle Bin	699 MB
☐	Temporary files	34.3 MB
☐	Temporary Windows installation files	3.86 GB
☑	Thumbnails	70.2 MB

Total amount of disk space you gain: 16.1 GB

Description: Files from a previous Windows installation. Files and folders that may conflict with the installation of Windows have been moved to folders named Windows.old. You can access data from the previous Windows installations in this folder.

More Options

If you click the More Options tab, you'll see this window, taking you straight to the Add/Remove Programs area of Control Panel. It also gives you the option to remove old restore points that take up space inside Windows. The latest restore point will always be kept in case of a problem with your PC.


Disk Clean-up for Windows (C:)
Disk Clean up
More Options
Programs and Features
Clean up...
System Restore and Shadow Copies
Clean up...
OK
Cancel
Disk Clean-up
Delete
Cancel

You can free more disk space by removing programs that you do not use.

You can free more disk space by removing all but the most recent restore point.

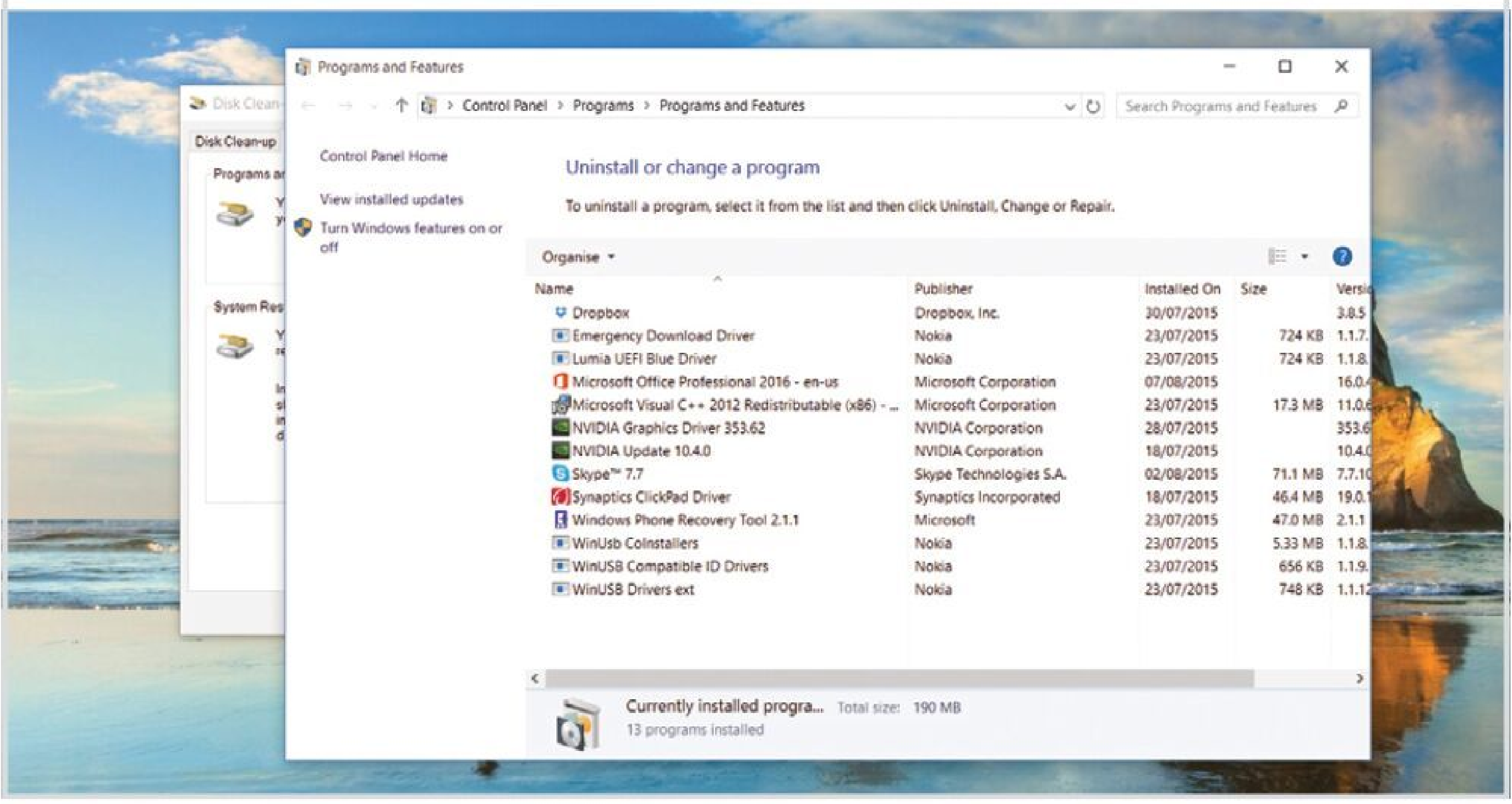
In some editions of Windows, the disk might include file shadow copies and older Windows Complete PC Backup images as part of restore points. This information will also be deleted.

Are you sure you want to delete all but the most recent restore point?

If you have several saved restore points, you might not need the older ones. You can save disk space by deleting them.

Programs and Features

This area of Control Panel is one of the most used, although it's not designed to be utilised quite as much in Windows 10 – the idea is that you'd uninstall using the method in the final step on this page. Still, it's the only way to see how much space your desktop applications are taking up. You can also access it via Control Panel > Programs.


Programs and Features
Control Panel > Programs > Programs and Features
Search Programs and Features
Control Panel Home
View installed updates
Turn Windows features on or off
Organise

Uninstall or change a program

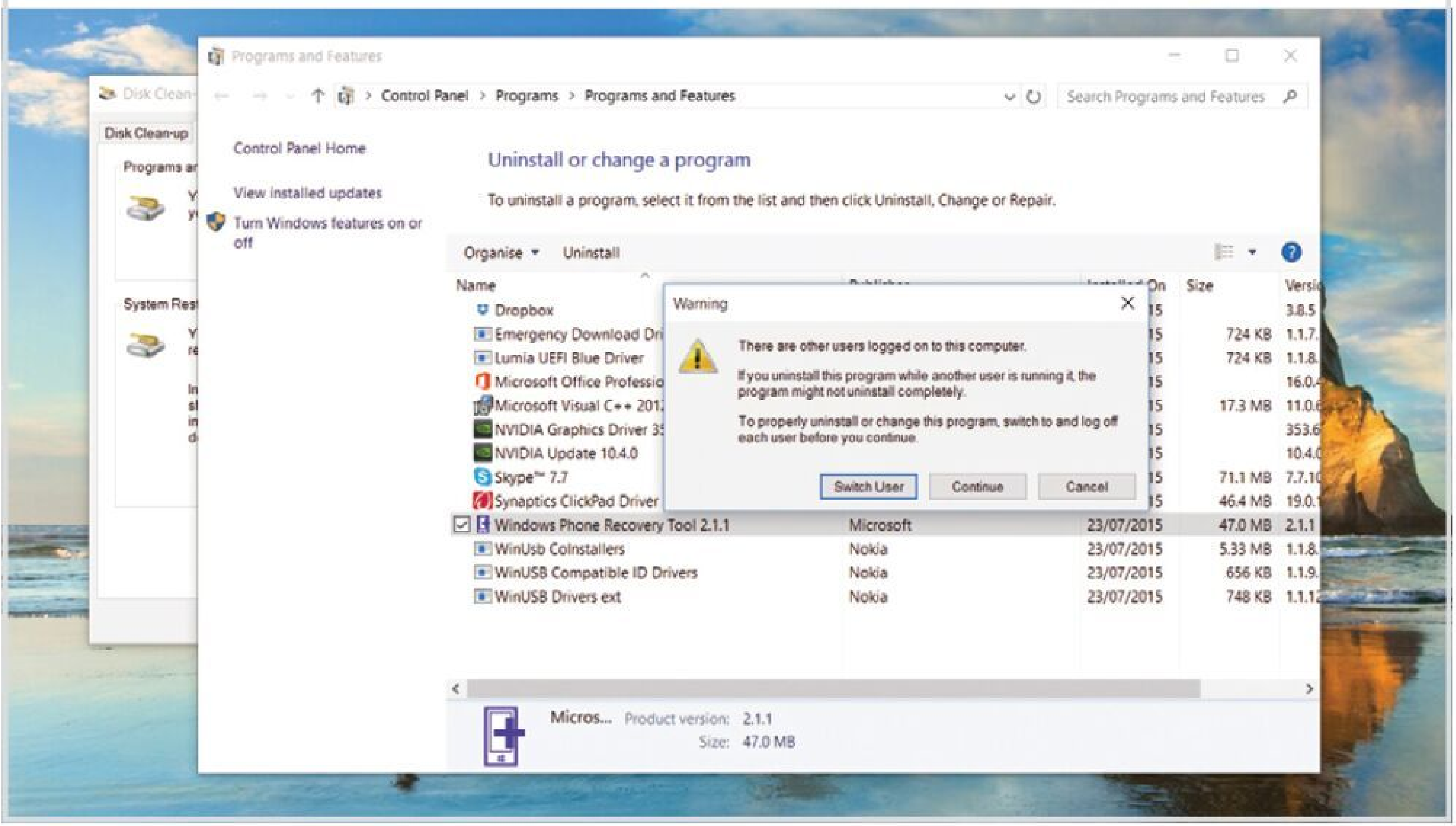
To uninstall a program, select it from the list and then click Uninstall, Change or Repair.

Name	Publisher	Installed On	Size	Versi
Dropbox	Dropbox, Inc.	30/07/2015		3.8.5
Emergency Download Driver	Nokia	23/07/2015	724 KB	1.1.7.
Lumia UEFI Blue Driver	Nokia	23/07/2015	724 KB	1.1.8.
Microsoft Office Professional 2016 - en-us	Microsoft Corporation	07/08/2015		16.0.
Microsoft Visual C++ 2012 Redistributable (x86) - ...	Microsoft Corporation	23/07/2015	17.3 MB	11.0.
NVIDIA Graphics Driver 353.62	NVIDIA Corporation	28/07/2015		353.
NVIDIA Update 10.4.0	NVIDIA Corporation	18/07/2015		10.4.
Skype™ 7.7	Skype Technologies S.A.	02/08/2015	71.1 MB	7.7.1
Synaptics ClickPad Driver	Synaptics Incorporated	18/07/2015	46.4 MB	19.0.
Windows Phone Recovery Tool 2.1.1	Microsoft	23/07/2015	47.0 MB	2.1.1
WinUsb CoInstallers	Nokia	23/07/2015	5.33 MB	1.1.8.
WinUSB Compatible ID Drivers	Nokia	23/07/2015	656 KB	1.1.9.
WinUSB Drivers ext	Nokia	23/07/2015	748 KB	1.1.1

Currently installed progra... Total size: 190 MB
13 programs installed

Other Users

If you try and uninstall a program with other users logged onto the PC, you'll always get a warning that other people may be using the application and so it may not uninstall properly. Get other users to log off before uninstalling programs if this is an issue.


Programs and Features
Control Panel > Programs > Programs and Features
Control Panel Home
View installed updates
Turn Windows features on or off
Organise
Uninstall
Warning
Switch User
Continue
Cancel

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change or Repair.

There are other users logged on to this computer.

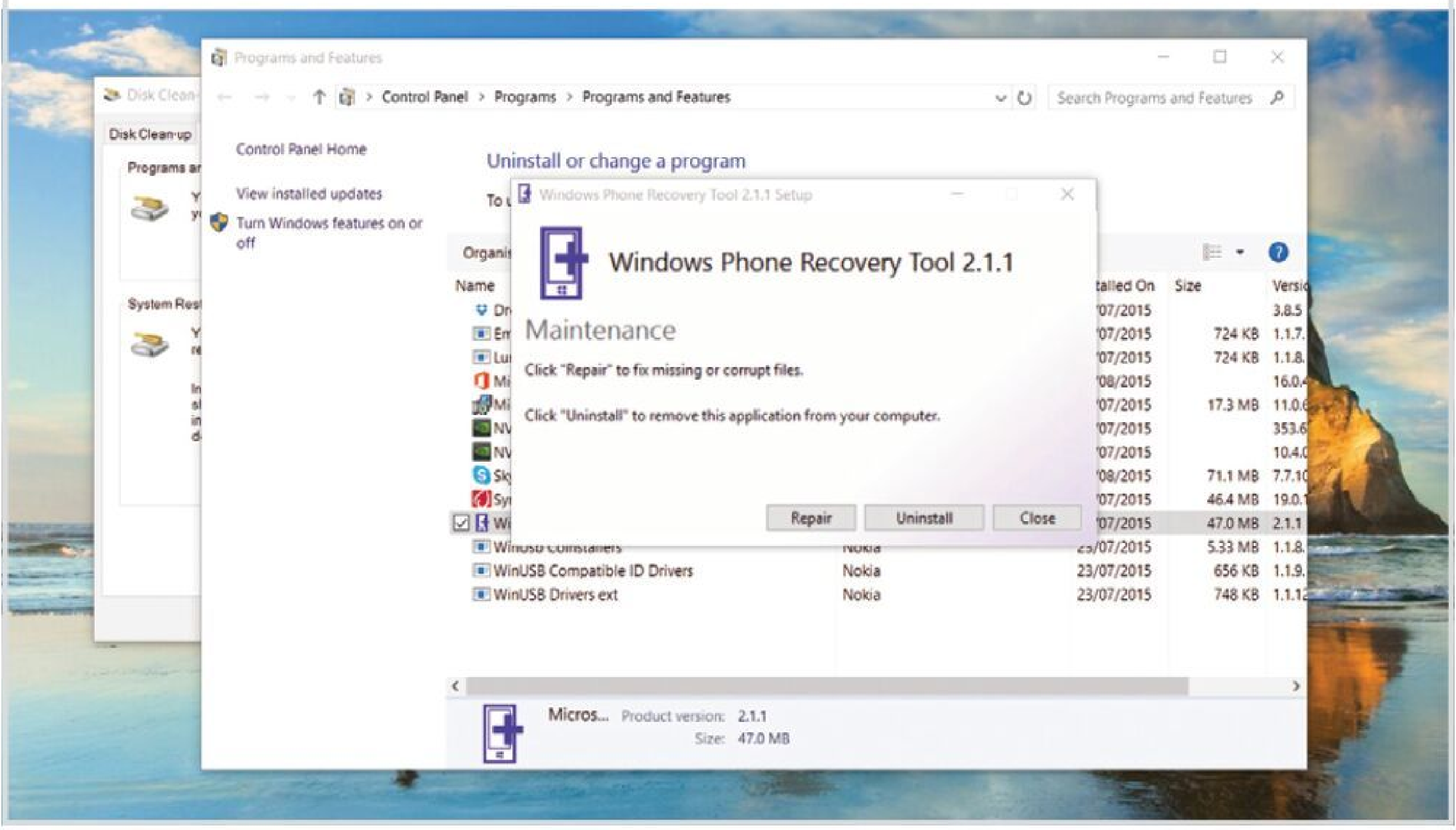
If you uninstall this program while another user is running it, the program might not uninstall completely.

To properly uninstall or change this program, switch to and log off each user before you continue.

Micros... Product version: 2.1.1
Size: 47.0 MB

Uninstaller

Each desktop app has a different type of installer (or, in this case, uninstaller). Many are very similar, but you do get ones that differ, and one such is this app from Microsoft. Often you will be asked if you want to repair the application. You don't – you want to uninstall.


Programs and Features
Control Panel > Programs > Programs and Features
Control Panel Home
View installed updates
Turn Windows features on or off
Windows Phone Recovery Tool 2.1.1 Setup
Repair
Uninstall
Close

Uninstall or change a program

Windows Phone Recovery Tool 2.1.1

Maintenance

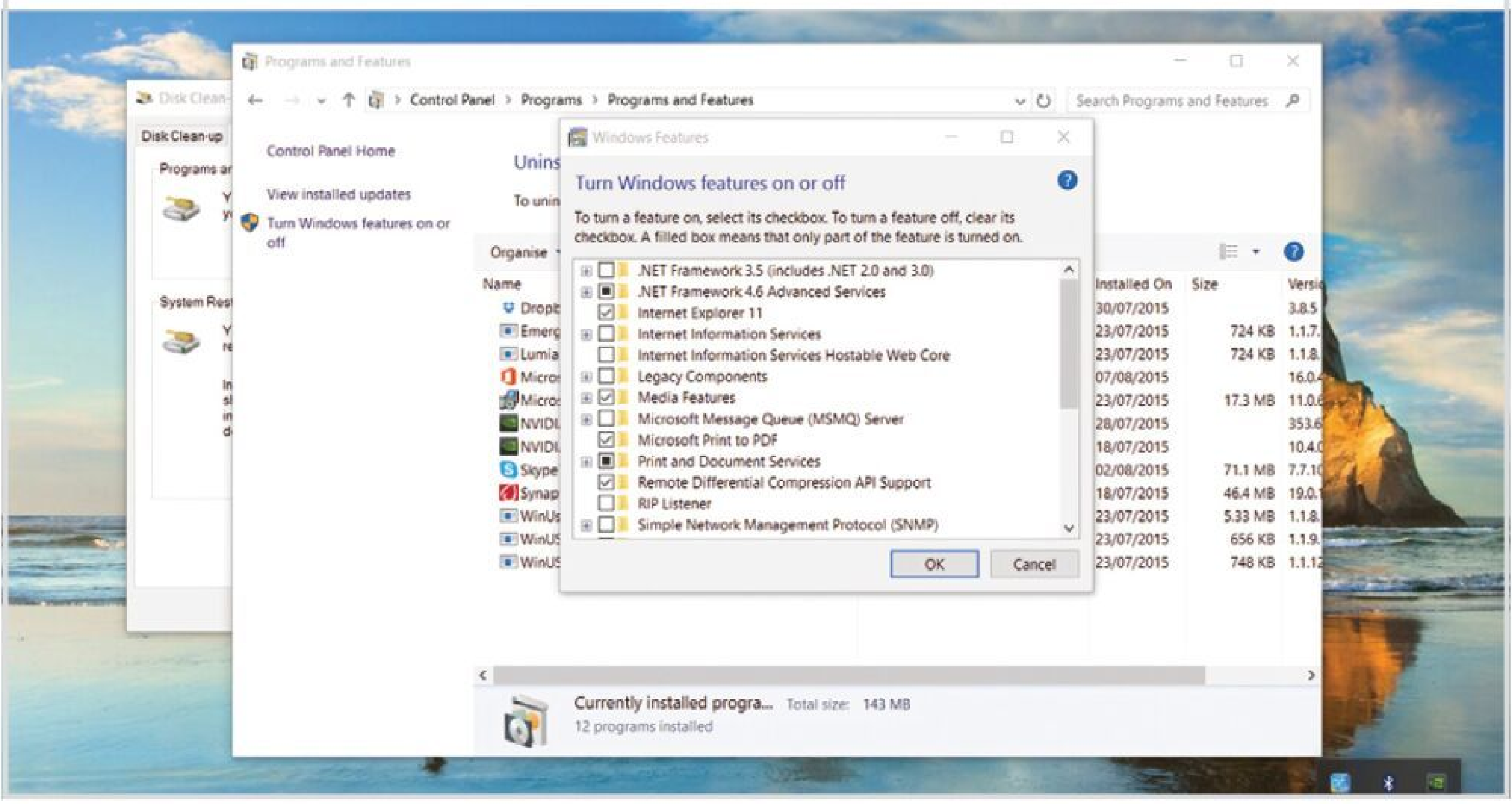
Click "Repair" to fix missing or corrupt files.

Click "Uninstall" to remove this application from your computer.

Micros... Product version: 2.1.1
Size: 47.0 MB

Windows Features

This is for advanced users only. Also from this screen you can select Turn Windows Features On or Off. You're able to uninstall elements of Windows that you don't use – perhaps the old Internet Explorer, for example, or Microsoft's Print to PDF plug-in if you have an alternative solution that you use.


Programs and Features
Control Panel > Programs > Programs and Features
Windows Features
OK
Cancel

Turn Windows features on or off

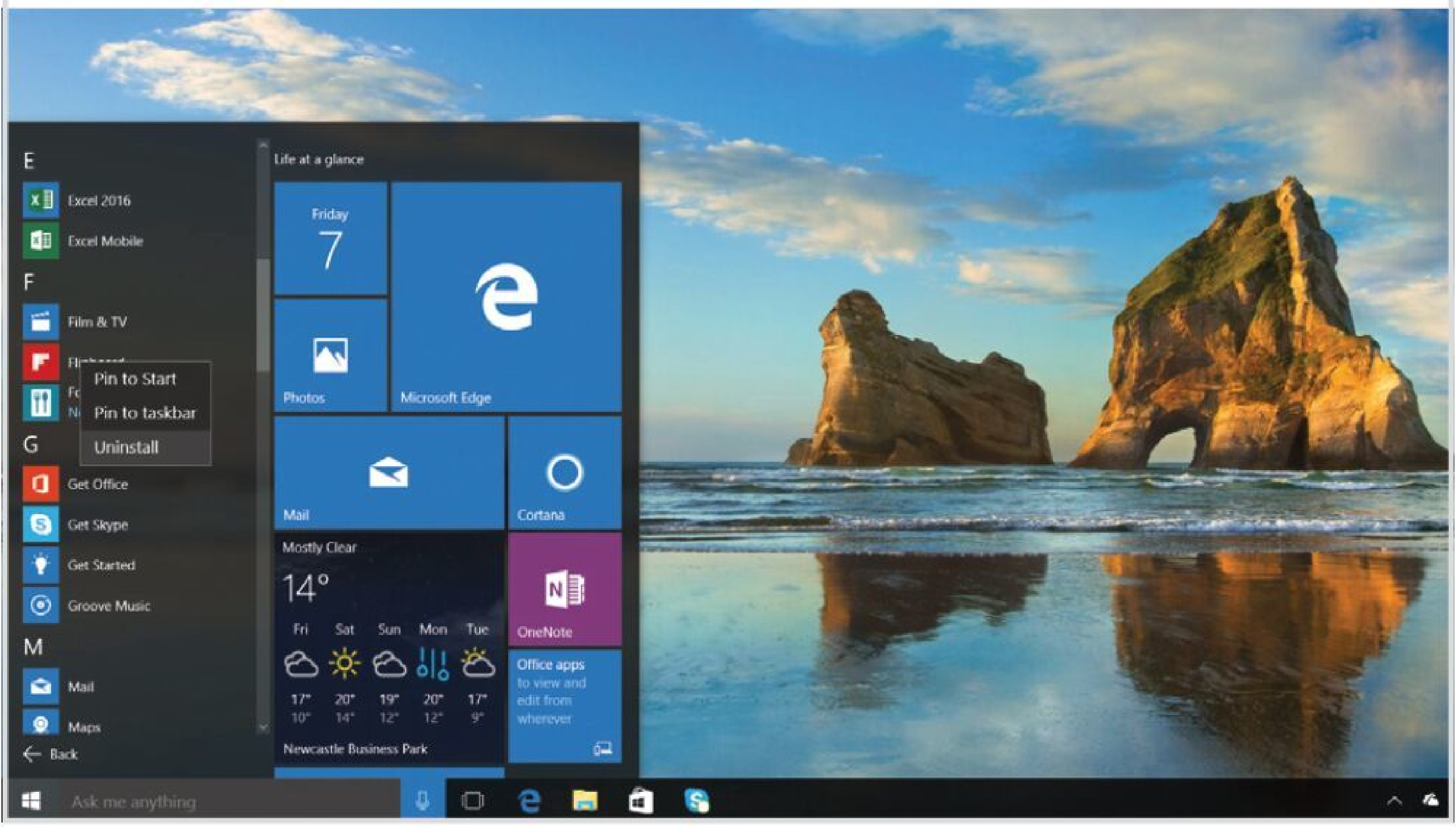
To turn a feature on, select its checkbox. To turn a feature off, clear its checkbox. A filled box means that only part of the feature is turned on.

- ☐ .NET Framework 3.5 (includes .NET 2.0 and 3.0)
- ■ .NET Framework 4.6 Advanced Services
- ☑ Internet Explorer 11
- ☐ Internet Information Services
- ☐ Internet Information Services Hostable Web Core
- ☐ Legacy Components
- ☑ Media Features
- ☐ Microsoft Message Queue (MSMQ) Server
- ☑ Microsoft Print to PDF
- ■ Print and Document Services
- ☑ Remote Differential Compression API Support
- ☐ RIP Listener
- ☐ Simple Network Management Protocol (SNMP)

Currently installed progra... Total size: 143 MB
12 programs installed

Uninstall from Start

You're also able to easily uninstall apps from the Start menu – simply right-click on the app in question and select Uninstall from the menu that appears. It's the best way to uninstall any app, whether it's come from the Windows Store or not.


Excel 2016
Excel Mobile
Film & TV
Pin to Start
Pin to taskbar
Uninstall
Get Office
Get Skype
Get Started
Groove Music
Mail
Maps
Back
Life at a glance
Friday 7
Photos
Microsoft Edge
Mail
Cortana
Mostly Clear
14°
Newcastle Business Park
OneNote
Office apps
Ask me anything

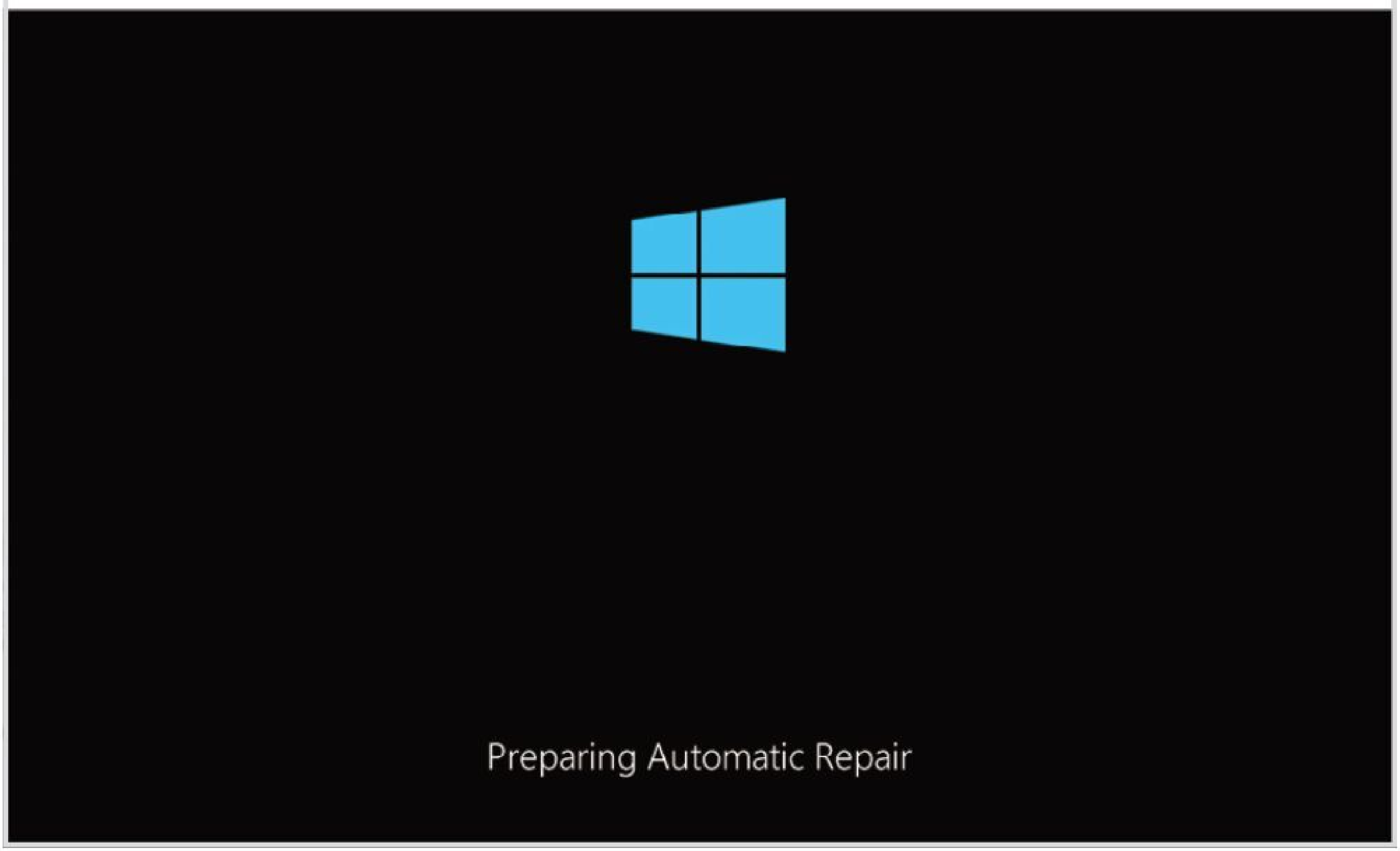
Troubleshooting Windows 10

If you have a problem with your Windows 10 machine, your PC will need to go to the Advanced Start-up Options menu, sometimes called the Boot Options menu. You may also need to boot into what's called Safe Mode. Hopefully this isn't something you will need regularly but we'll run you through it anyway.

How to Use Advanced Start-up Options

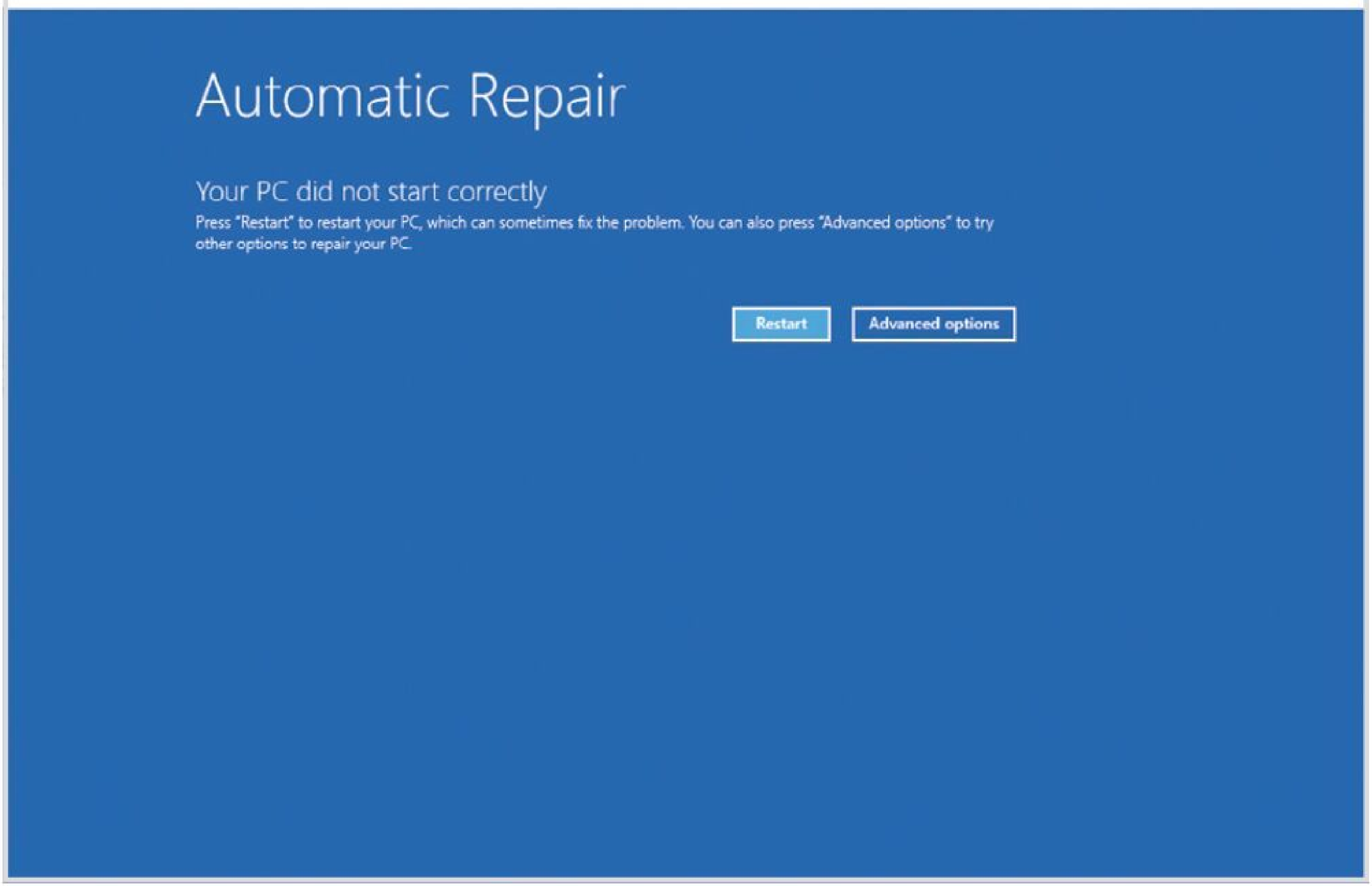
Modern computers are complicated things and there's a lot that can go wrong. If your PC really isn't working correctly or seems slow, these helpful options will help you get it back on track.

1 You may be taken to the Advanced Start-up Options menu. It will appear automatically if you have two consecutive start-up errors on your PC. But you can get to it manually from inside Windows 10 by going to the Settings app > Update & Security, clicking on Recovery and selecting Restart Now underneath Advanced Start-up.



Preparing Automatic Repair

2 If your PC didn't start correctly, you'll see this screen. It gives you the option of restarting and trying again, or clicking on Advanced Options. We're going to run you through what happens if you click on this second button – various options are available to you.



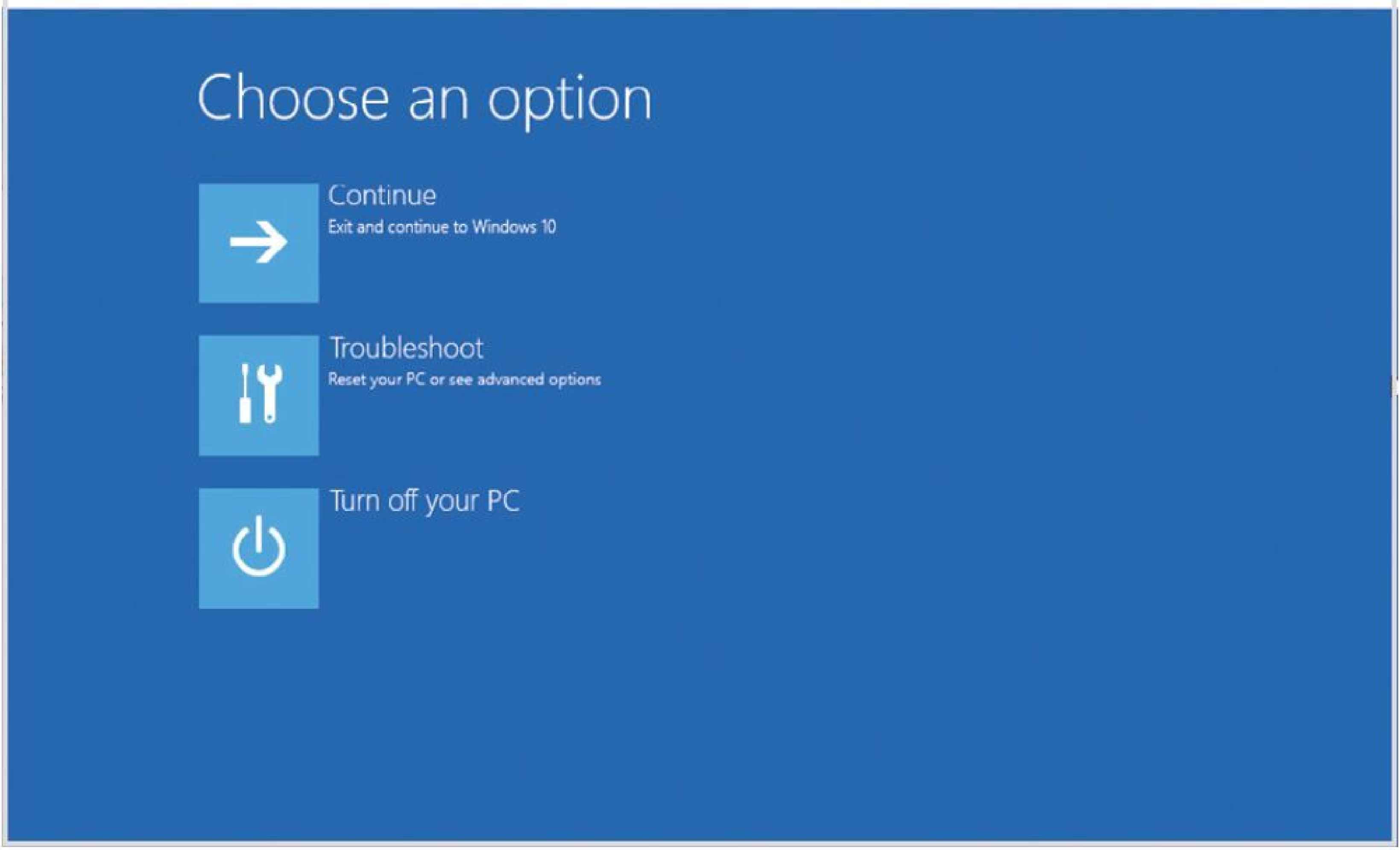
Automatic Repair

Your PC did not start correctly

Press "Restart" to restart your PC, which can sometimes fix the problem. You can also press "Advanced options" to try other options to repair your PC.

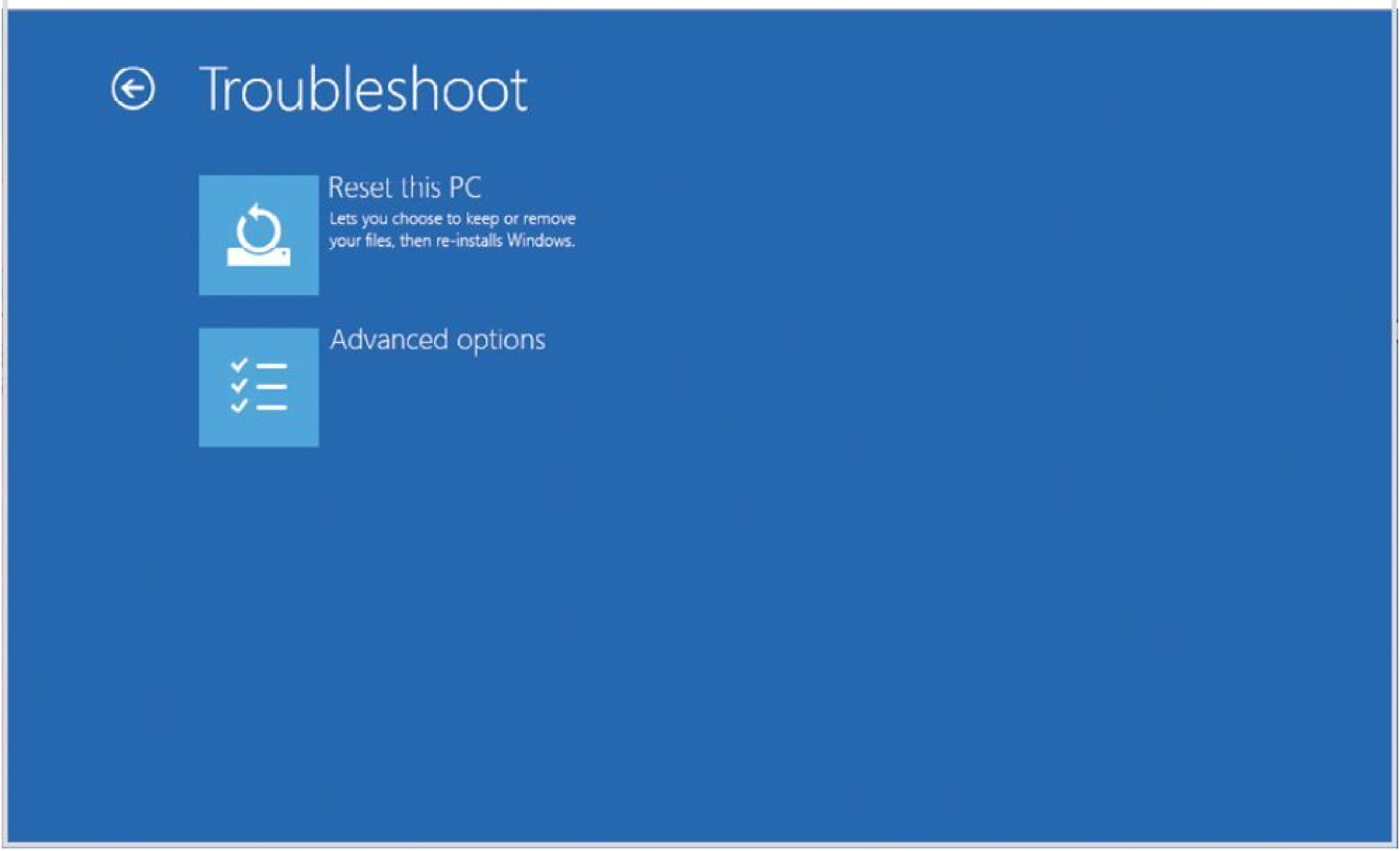
Restart
Advanced options

3 You'll then see this menu, which is a little transitional for our liking – we're not sure why these options aren't on the screen you get after this in Step 4 (by clicking Troubleshoot). From here, you can also continue to boot up Windows 10 or you can decide to turn off your PC if you are going to take it to a repair shop, for example.



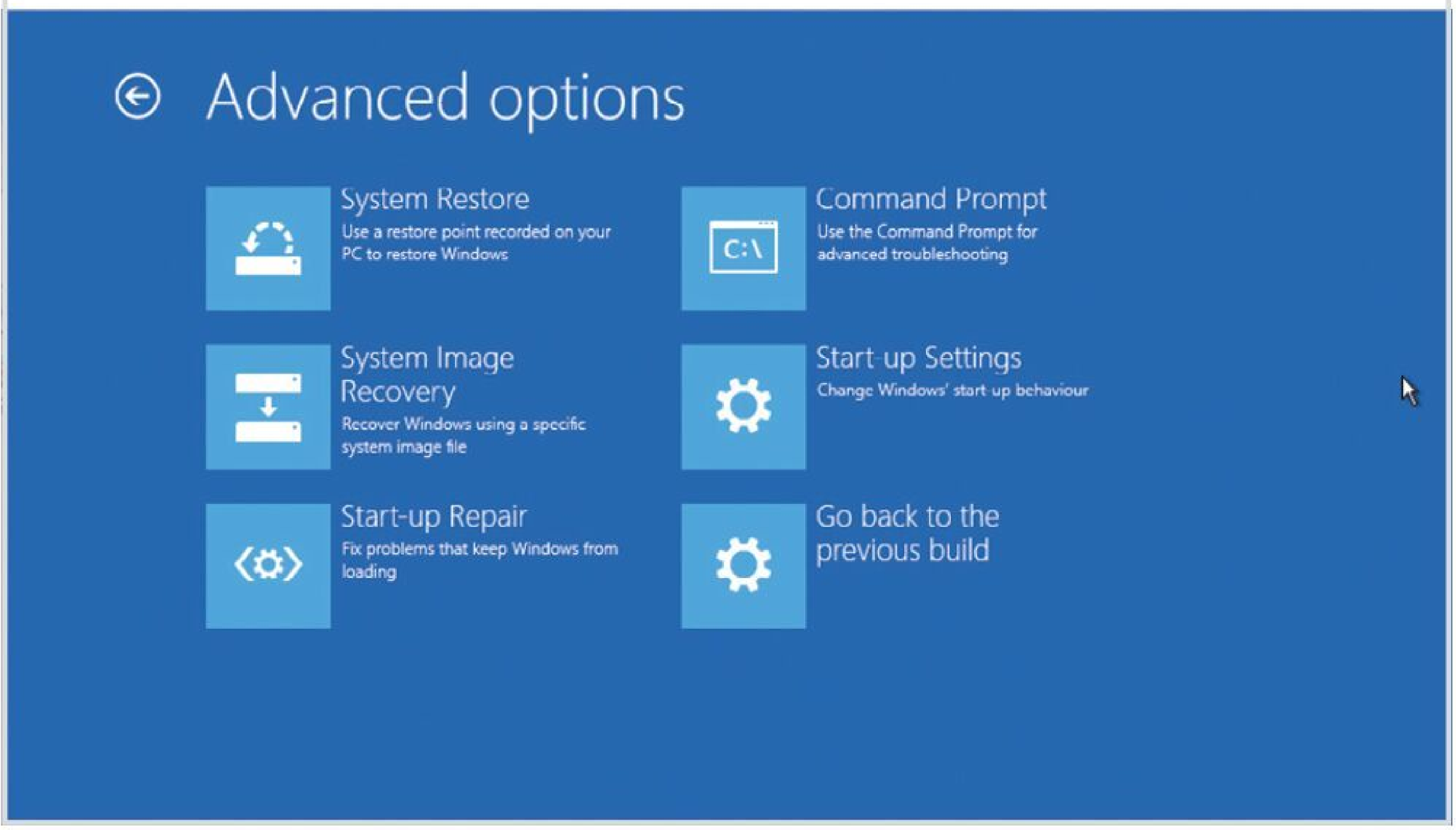
Choose an option
Continue
Exit and continue to Windows 10
Troubleshoot
Reset your PC or see advanced options
Turn off your PC

4 If you selected Troubleshoot, you get the option to Reset this PC. This is a little confusing in name, because it doesn't mean restart! It means resetting Windows to its factory settings (it reinstalls Windows, effectively). You can choose whether or not to keep your files, but we think this is a risky option. You have got your files backed up, haven't you?



Troubleshoot
Reset this PC
Lets you choose to keep or remove your files, then re-installs Windows.
Advanced options

5 Advanced Options is actually the menu that we want, and you probably will do, too, if there's something seriously wrong with your PC. It's almost like the previous steps were tests to see if you really did want to get here. You can try and repair the start-up, or roll back using System Restore.



Advanced options

System Restore
Use a restore point recorded on your PC to restore Windows

Command Prompt
Use the Command Prompt for advanced troubleshooting

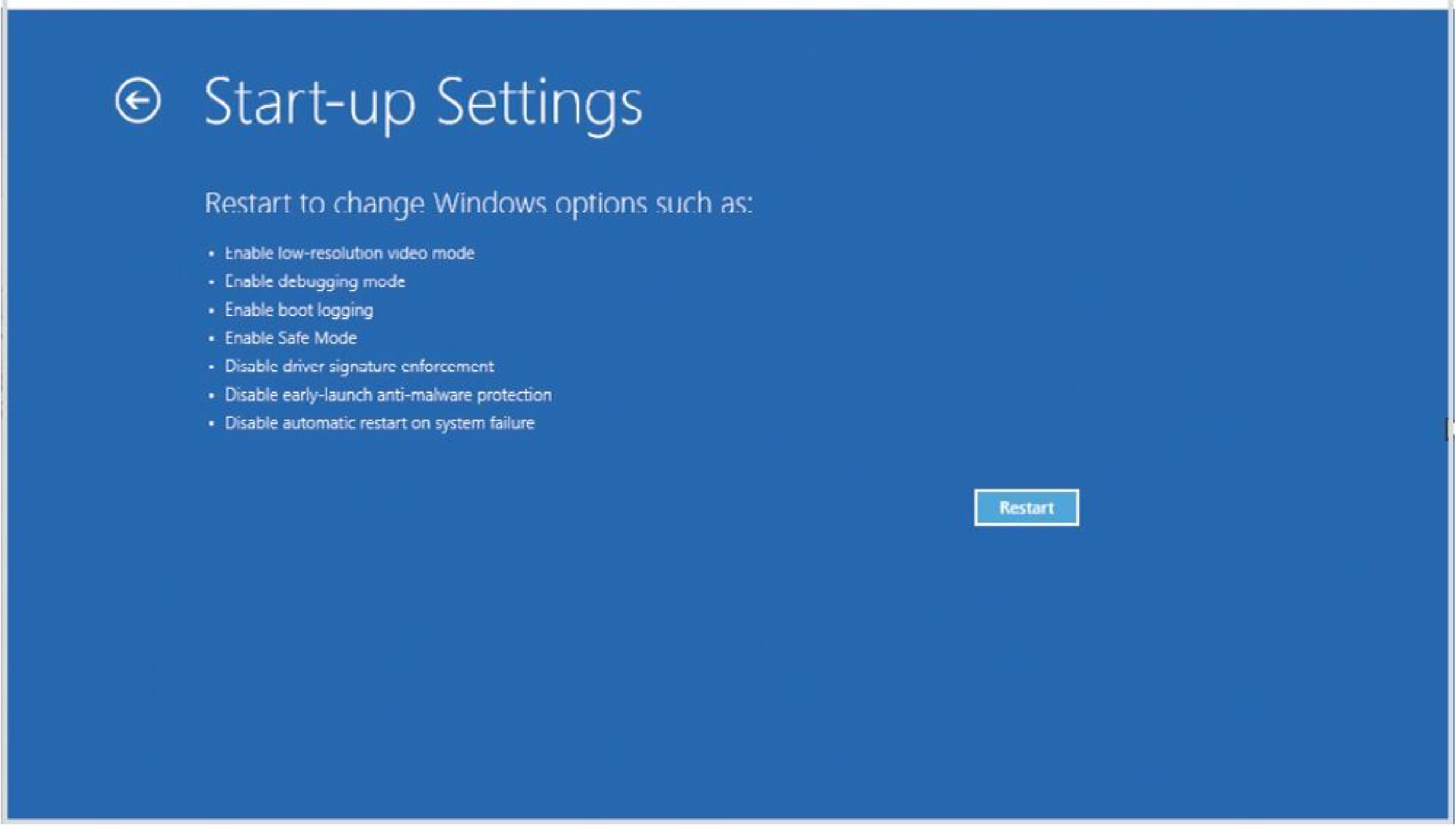
System Image Recovery
Recover Windows using a specific system image file

Start-up Settings
Change Windows' start-up behaviour

Start-up Repair
Fix problems that keep Windows from loading

Go back to the previous build

6 If you select Start-up Settings, you'll be shown this screen to ensure it is actually what you want (you can always go back using the Back button of course). From this you can instigate Safe Mode with or without networking access, as well as a low resolution video mode if you're having display problems.

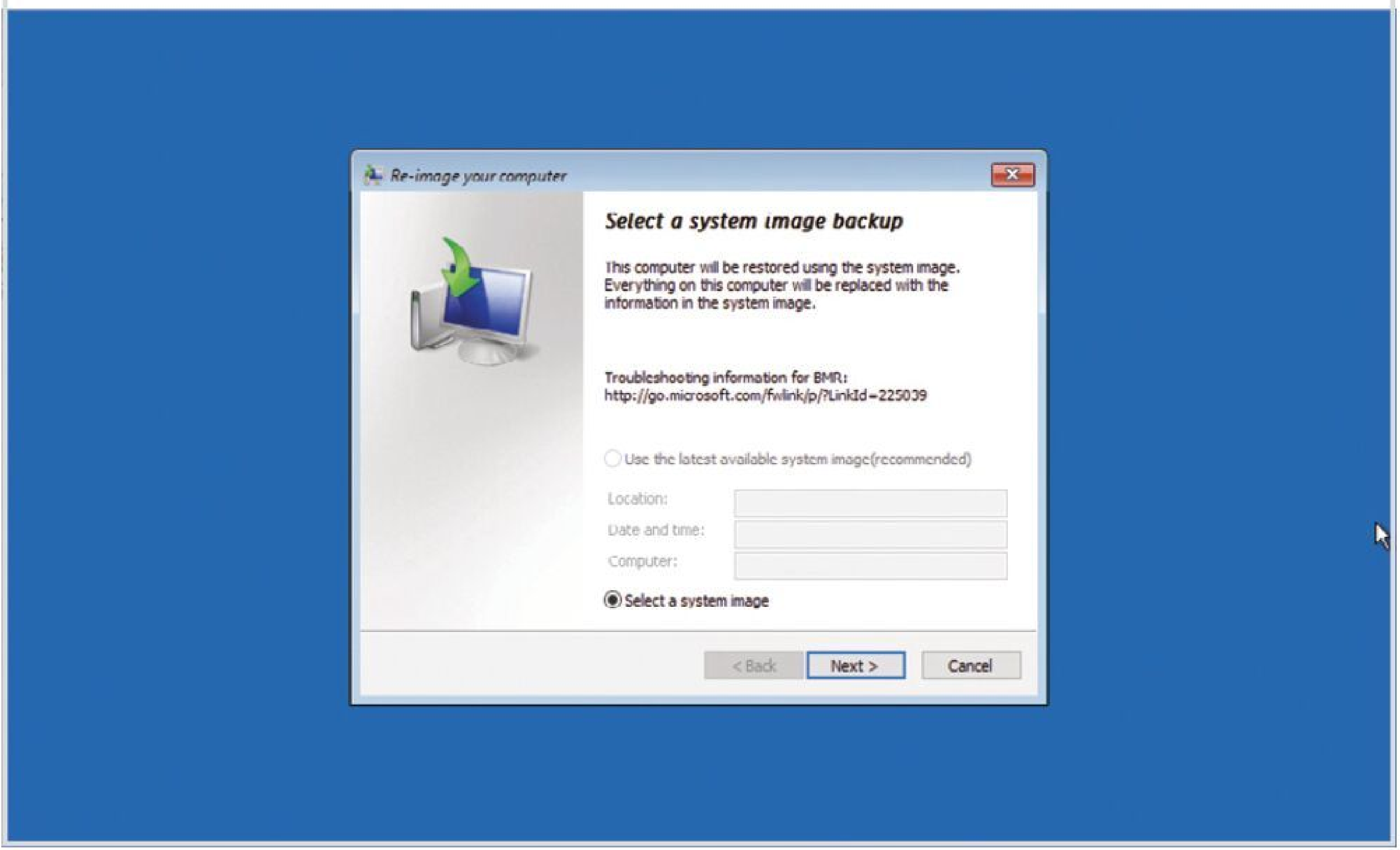


Start-up Settings

Restart to change Windows options such as:

- Enable low-resolution video mode
- Enable debugging mode
- Enable boot logging
- Enable Safe Mode
- Disable driver signature enforcement
- Disable early-launch anti-malware protection
- Disable automatic restart on system failure

7 If you have a system image handy (a complete backup of your PC in a system image file) you can also restore it at this point. Anything you've created since the system image was made will be lost, so again it's a reason why you should back up your files.



Re-image your computer

Select a system image backup

This computer will be restored using the system image. Everything on this computer will be replaced with the information in the system image.

Troubleshooting information for BMR:
http://go.microsoft.com/fwlink/p/?LinkId=225039

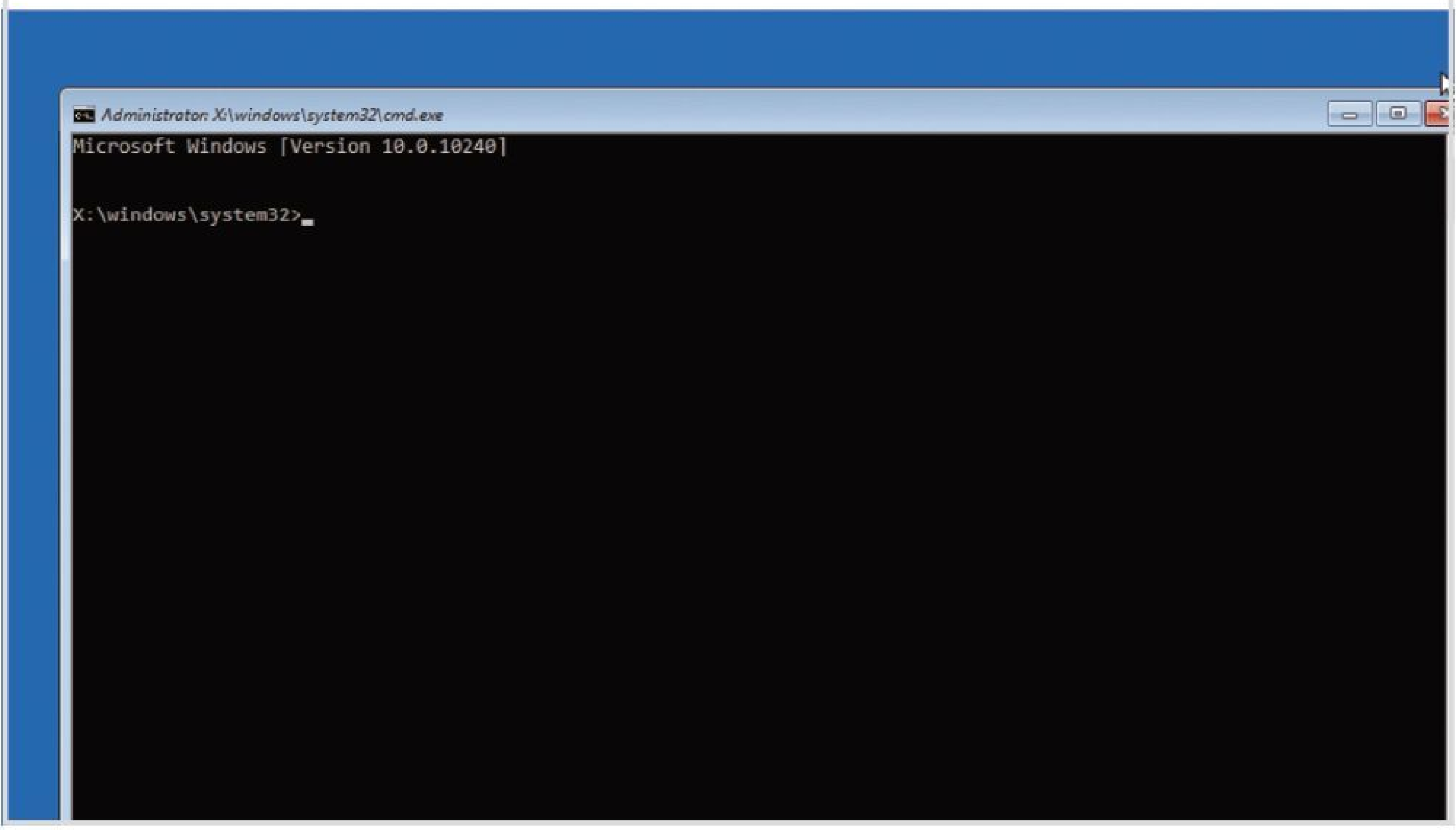
○ Use the latest available system image(recommended)

Location:
Date and time:
Computer:

● Select a system image

< Back
Next >
Cancel

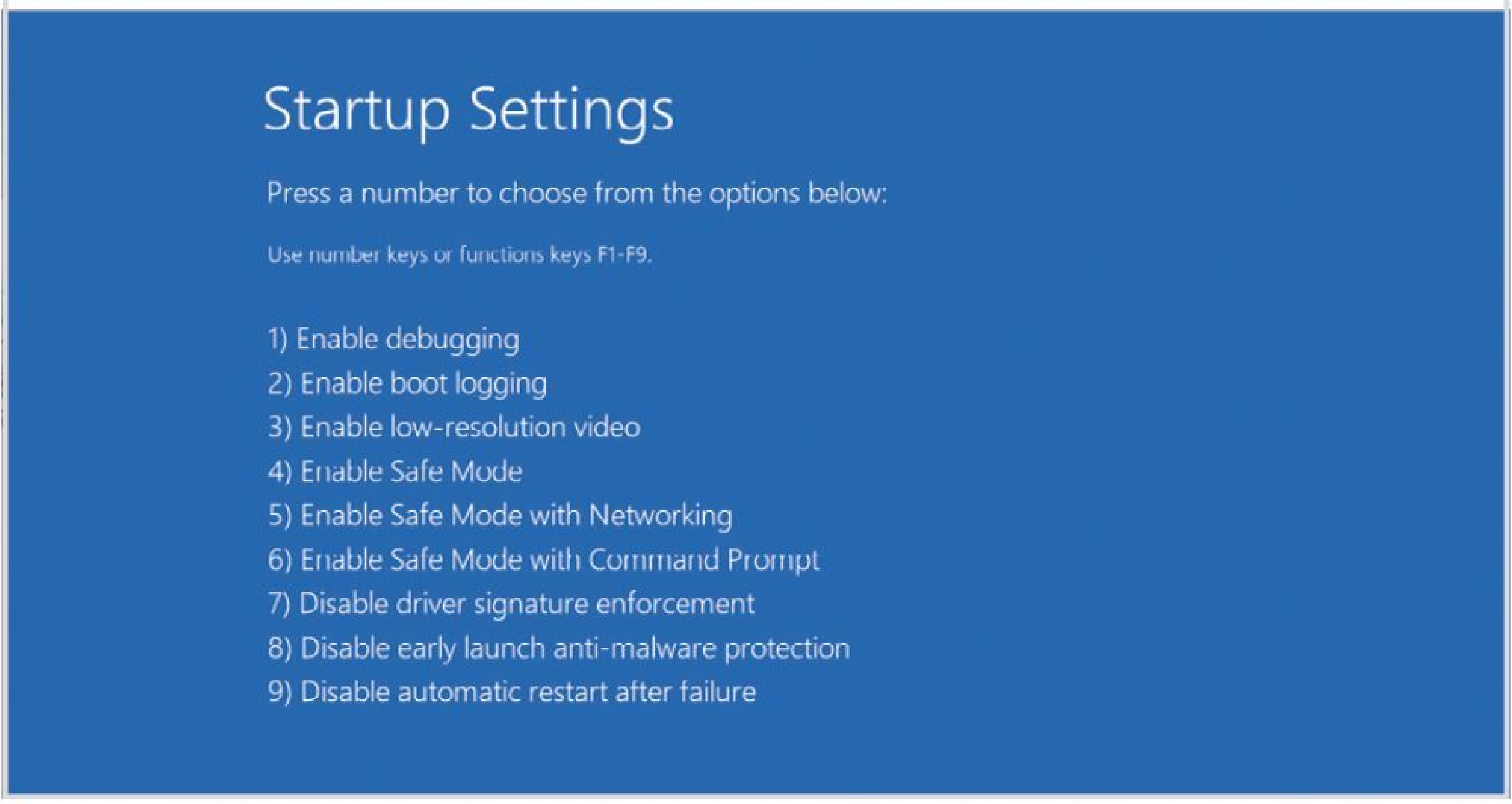
8 If you need to boot from a particular drive, such as USB, you can do so by starting from it using the boot options in the Advanced Options menu. You can also access the command prompt should you need to do any diagnostic checks of your files, though this isn't a common thing to have to do.



```
Administrator: X:\windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10240]

X:\windows\system32>_
```

9 When your PC boots after going to Start-up Settings in Step 6, you'll see this menu. You need to press a number to boot your PC in a particular way. We'd always recommend seeing if your PC will boot into Safe Mode with Networking. If it starts up there without issue, it's probably a third-party software or driver problem rather than something with Windows itself.



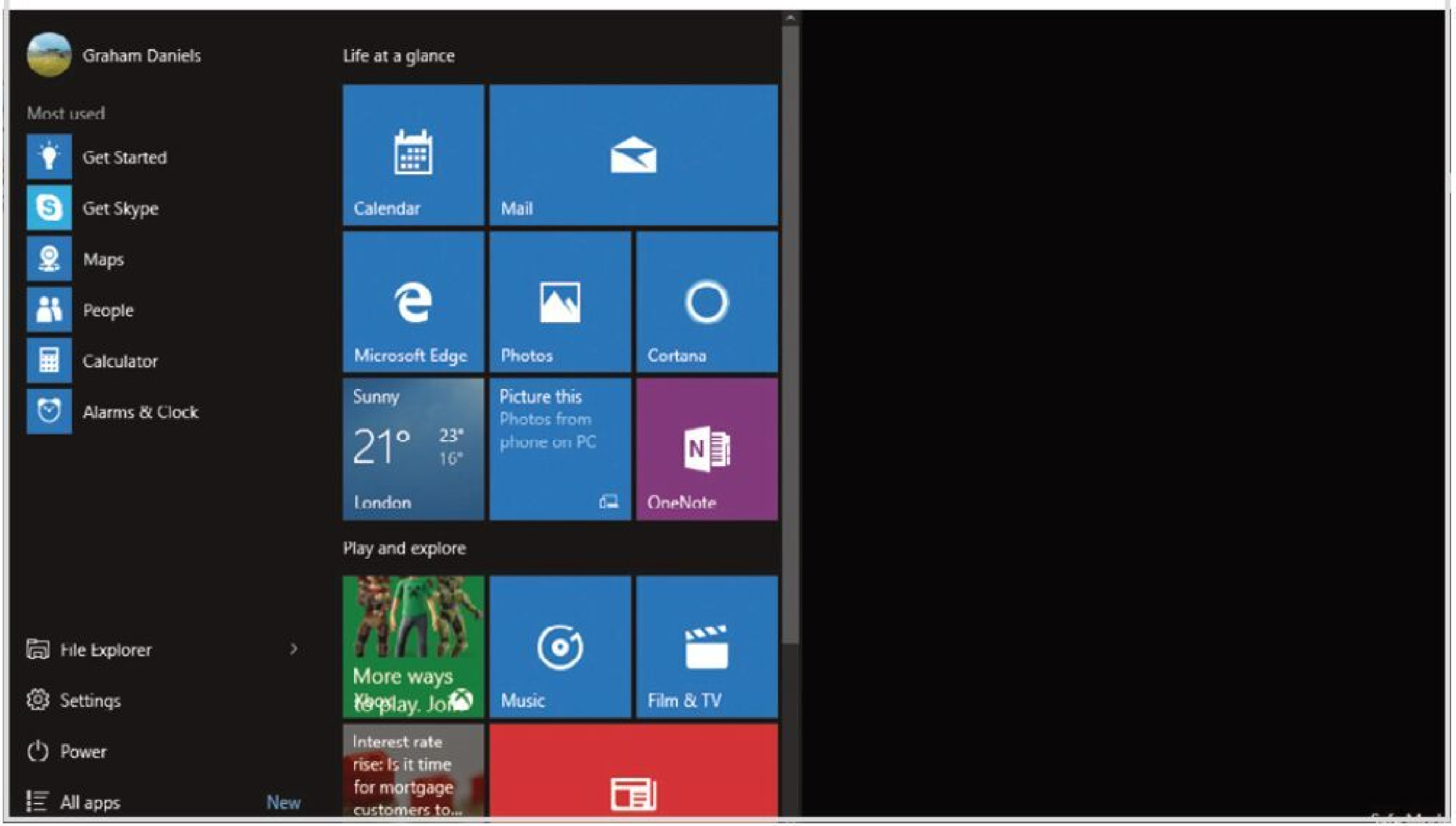
Startup Settings

Press a number to choose from the options below:

Use number keys or functions keys F1-F9.

1) Enable debugging
2) Enable boot logging
3) Enable low-resolution video
4) Enable Safe Mode
5) Enable Safe Mode with Networking
6) Enable Safe Mode with Command Prompt
7) Disable driver signature enforcement
8) Disable early launch anti-malware protection
9) Disable automatic restart after failure

10 This is what Safe Mode looks like. As you can see, it's very much like the standard version of Windows 10, but it is lacking a little in its graphical finish. It's designed for you to troubleshoot what is wrong with your system – perhaps you need to roll back to an earlier System Restore point, for example.



Graham Daniels
Most used
Get Started
Get Skype
Maps
People
Calculator
Alarms & Clock
File Explorer
Settings
Power
All apps
New
Life at a glance
Calendar
Mail
Microsoft Edge
Photos
Cortana
Sunny
21°
23°
16°
London
Picture this
Photos from phone on PC
OneNote
Play and explore
More ways to play. Jo
Xbox
Music
Film & TV
Interest rate rise: Is it time for mortgage customers to...

Windows 10 Troubleshooting Tips

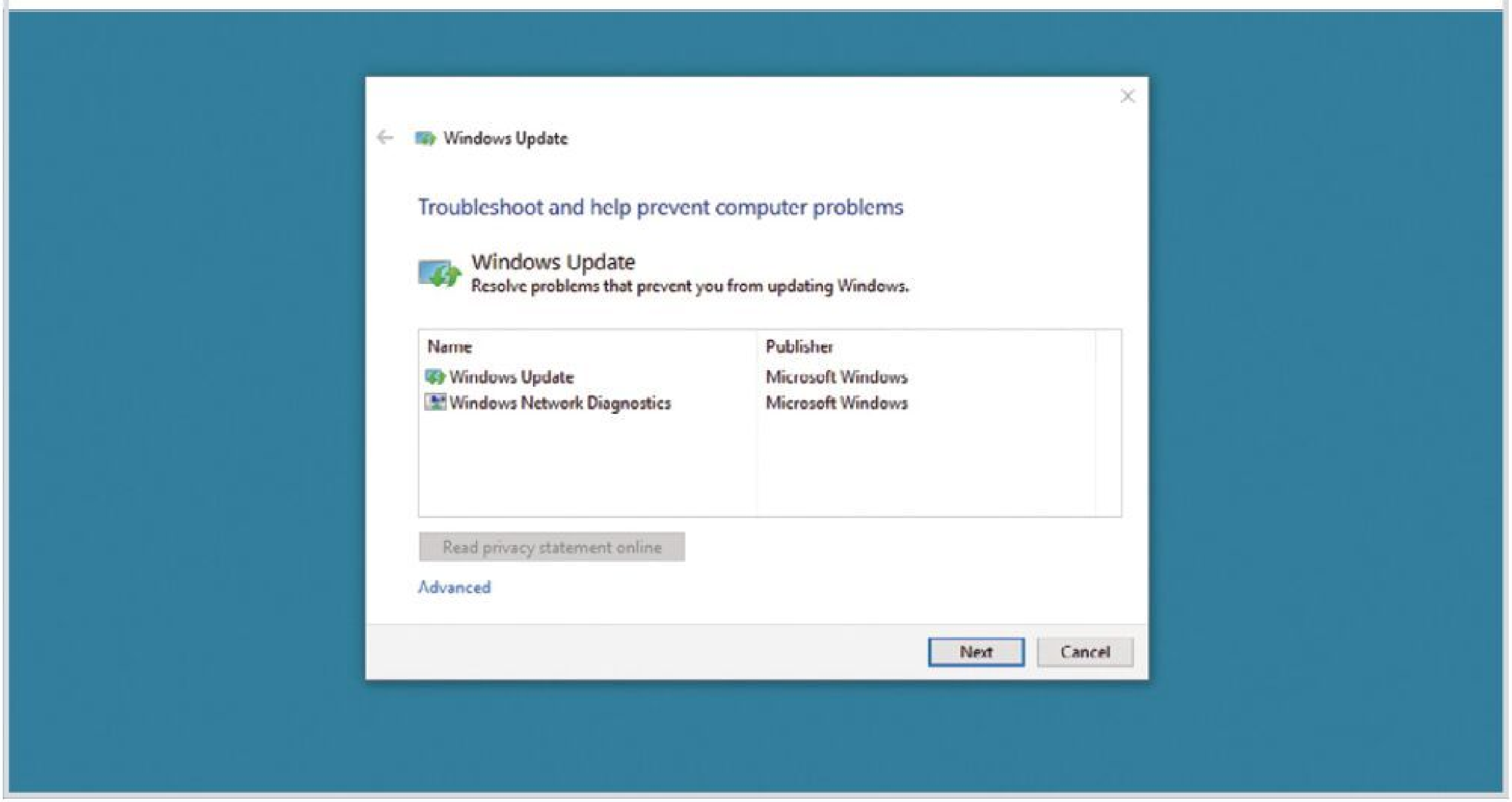
Windows 10 includes some useful tools for checking on and solving problems but sometimes you need to look a bit further and deeper. Occasionally you just need to go back to basics. These tips will help you solve some common problems encountered in Windows 10, particularly after installing the Anniversary update.

First Things to Check

If you're having problems with Windows Update, the Windows Update Troubleshooter might be able to automatically fix the problem. Go to Microsoft.com and search for Update Troubleshooter.

Windows Update Troubleshooter

Microsoft knows that things don't always go smoothly when updating and have provided a dedicated troubleshooting tool for use during this key task. If you're having problems with Windows Update, the Windows Update Troubleshooter might be able to automatically fix the problem. Go to Microsoft.com and search for Update Troubleshooter.


Windows Update

Troubleshoot and help prevent computer problems

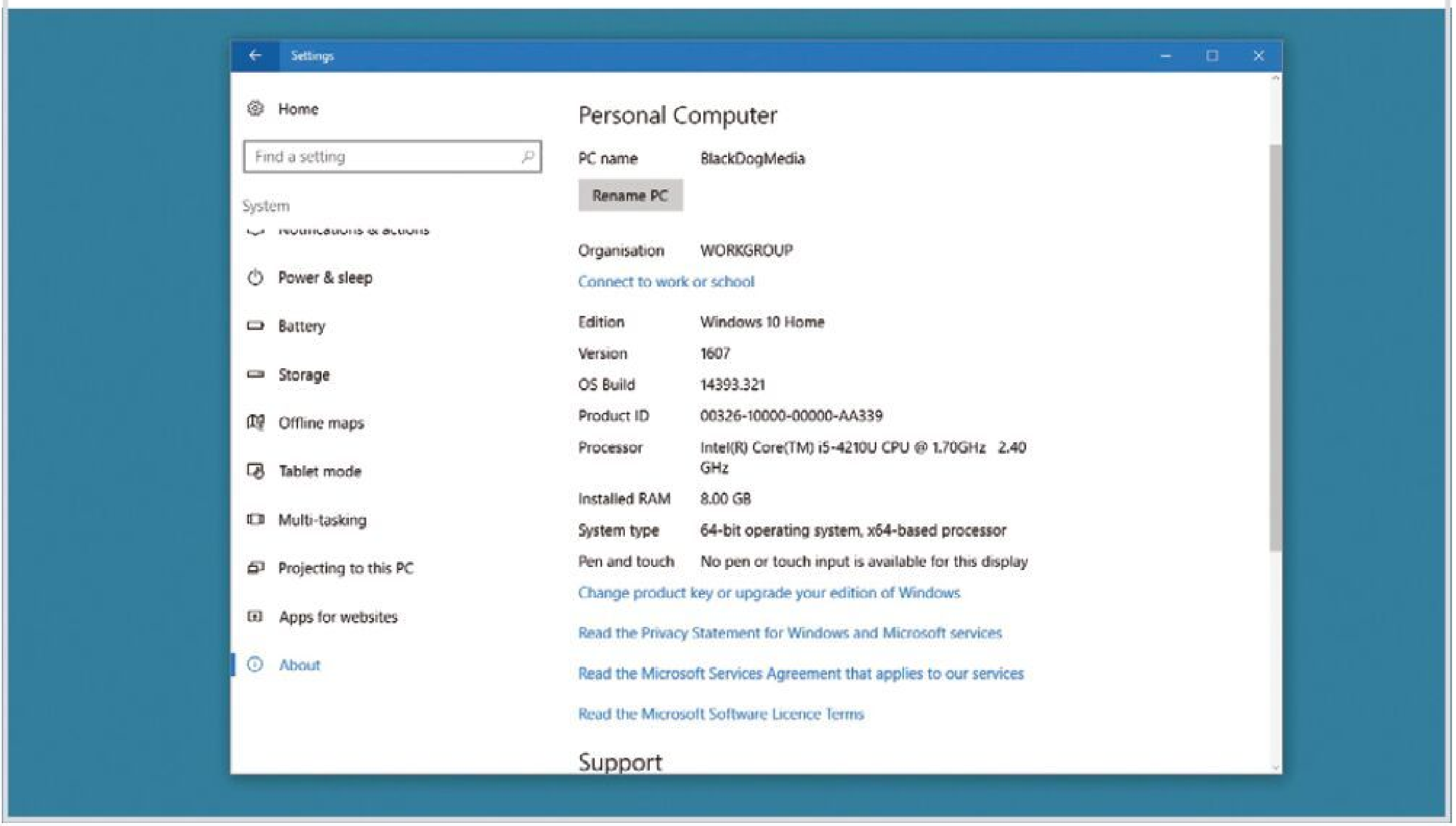
Windows Update
Resolve problems that prevent you from updating Windows.

Name	Publisher
Windows Update	Microsoft Windows
Windows Network Diagnostics	Microsoft Windows

Read privacy statement online
Advanced
Next
Cancel

Checking System Spec

If you're having trouble installing or running a particular app or game, it may be that your PC hardware is not up to scratch. All commercial software will provide details of required and (sometimes) recommended specification needed to run it. You can check system spec at any time, just go to Control Panel and select System and Security, then System.


Settings
Home
Find a setting
System
Power & sleep
Battery
Storage
Offline maps
Tablet mode
Multi-tasking
Projecting to this PC
Apps for websites
About

Personal Computer

PC name BlackDogMedia

Rename PC

Organisation WORKGROUP

Connect to work or school

Edition Windows 10 Home
Version 1607
OS Build 14393.321
Product ID 00326-10000-00000-AA339
Processor Intel(R) Core(TM) i5-4210U CPU @ 1.70GHz 2.40 GHz
Installed RAM 8.00 GB
System type 64-bit operating system, x64-based processor
Pen and touch No pen or touch input is available for this display

Change product key or upgrade your edition of Windows

Read the Privacy Statement for Windows and Microsoft services

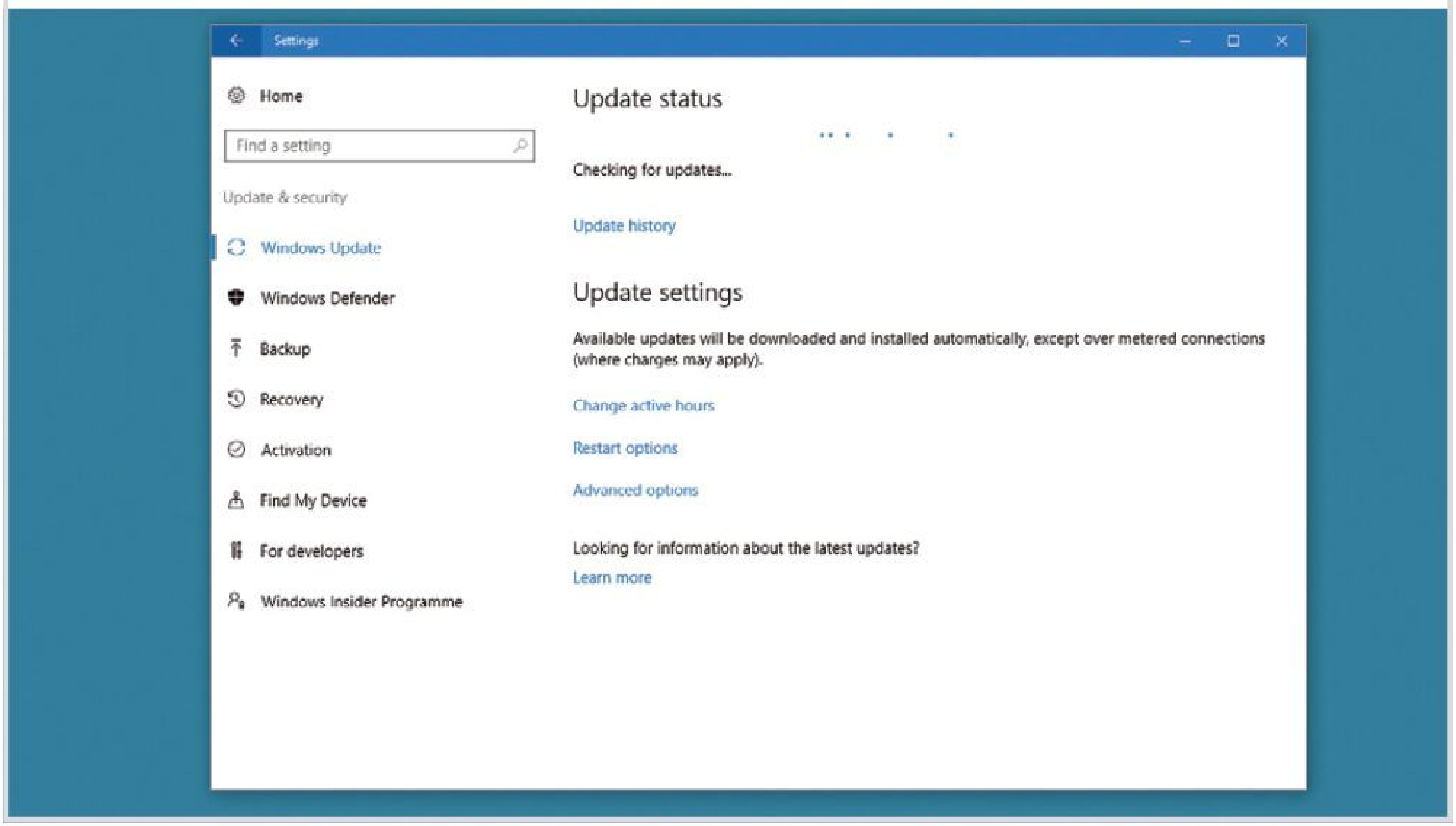
Read the Microsoft Services Agreement that applies to our services

Read the Microsoft Software Licence Terms

Support

Check for Updates

Keeping your copy of Windows 10 up to date with the latest releases can really help to avoid problems before they happen. Press the Windows logo key and click Settings. Then choose Update & security > Windows Update and then select Check for updates. Install any available updates and restart your PC if required.


Settings
Home
Find a setting
Update & security
Windows Update
Windows Defender
Backup
Recovery
Activation
Find My Device
For developers
Windows Insider Programme

Update status

Checking for updates...

Update history

Update settings

Available updates will be downloaded and installed automatically, except over metered connections (where charges may apply).

Change active hours

Restart options

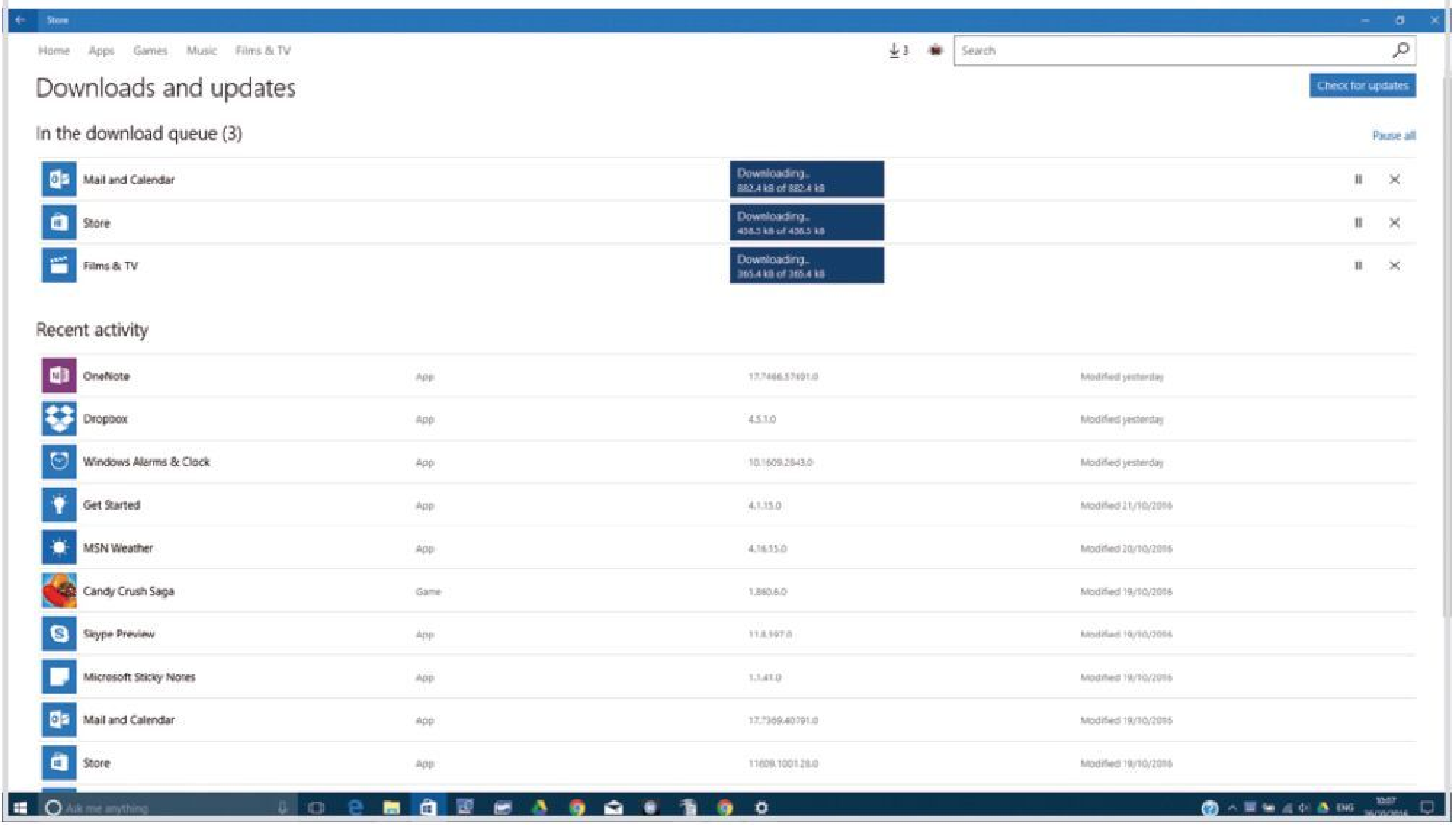
Advanced options

Looking for information about the latest updates?

Learn more

App Updates

If an app or program isn't working with Windows 10, particularly after the Anniversary update, try looking in the Windows Store for an update and if that doesn't work, delete and reinstall it. To check for available app updates on the store, click the user icon next to the search bar and select Downloads and Updates.


Store
Home
Apps
Games
Music
Films & TV
Search
Check for updates
Pause all

Downloads and updates

In the download queue (3)

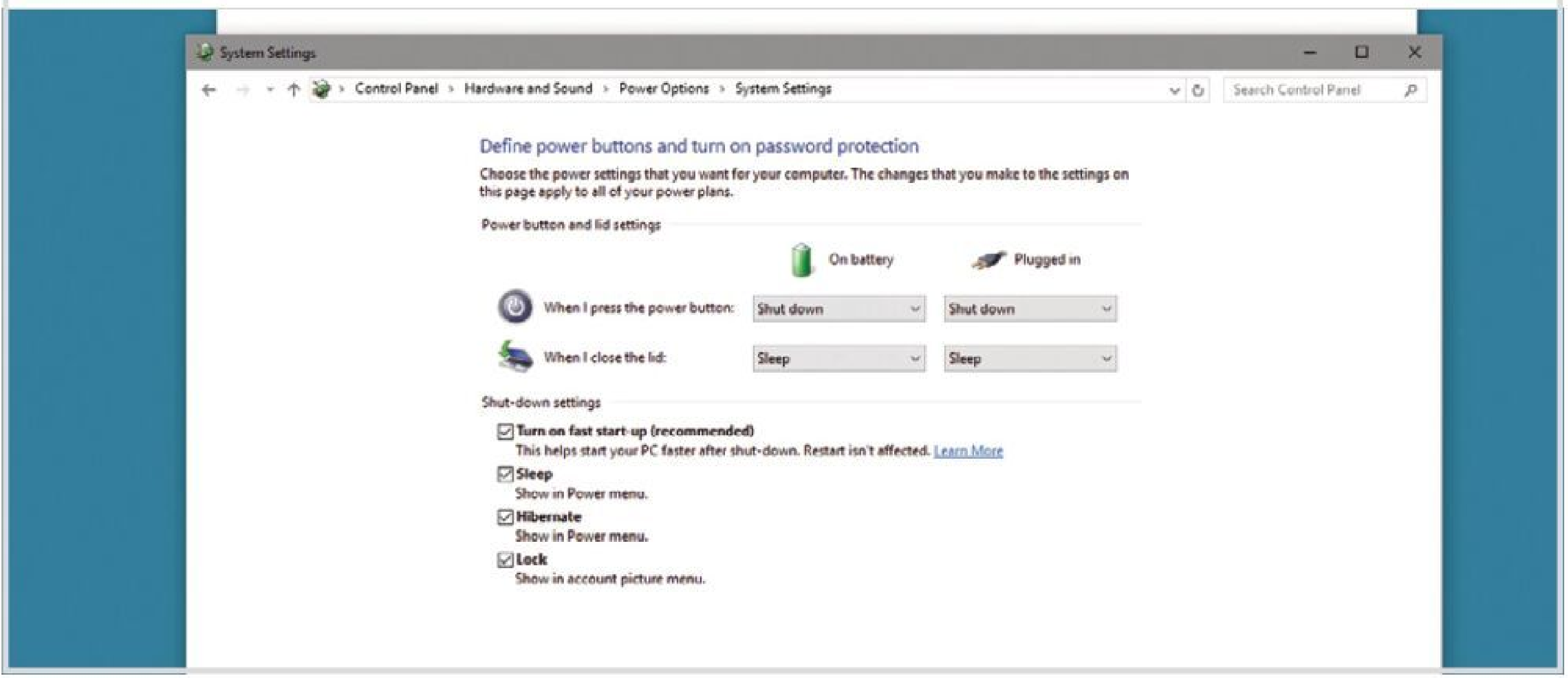
Mail and Calendar Downloading... 882.4 kB of 882.4 kB
Store Downloading... 438.3 kB of 436.5 kB
Films & TV Downloading... 365.4 kB of 365.4 kB

Recent activity

OneNote	App	17.7466.57691.0	Modified yesterday
Dropbox	App	4.5.1.0	Modified yesterday
Windows Alarms & Clock	App	10.1609.2843.0	Modified yesterday
Get Started	App	4.1.15.0	Modified 21/10/2016
MSN Weather	App	4.16.15.0	Modified 20/10/2016
Candy Crush Saga	Game	1.860.6.0	Modified 19/10/2016
Skype Preview	App	11.8.197.0	Modified 19/10/2016
Microsoft Sticky Notes	App	1.1.41.0	Modified 19/10/2016
Mail and Calendar	App	17.7369.40791.0	Modified 19/10/2016
Store	App	11609.1001.28.0	Modified 19/10/2016

Ask me anything

Slow Boot Fix Like Windows 8 before it, Windows 10 uses a hybrid boot to enable fast boot times. It sounds great but can actually slow down boot for some users. Disable it by searching for Power Options in the Start menu and running the matching Control Panel applet, then in the left-hand pane click Choose what the power buttons do.


System Settings
Control Panel › Hardware and Sound › Power Options › System Settings
Search Control Panel

Define power buttons and turn on password protection

Choose the power settings that you want for your computer. The changes that you make to the settings on this page apply to all of your power plans.

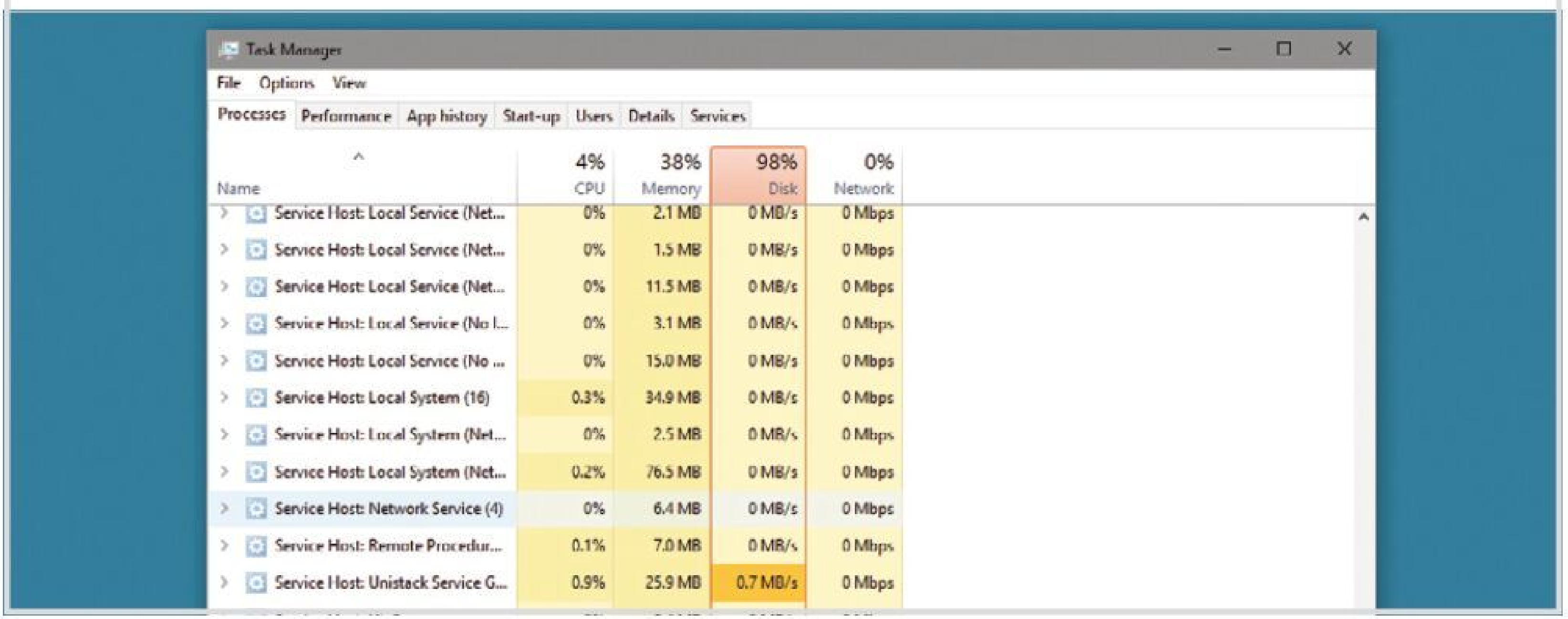
Power button and lid settings

	On battery	Plugged in
When I press the power button:	Shut down	Shut down
When I close the lid:	Sleep	Sleep

Shut-down settings

☑ **Turn on fast start-up (recommended)**
This helps start your PC faster after shut-down. Restart isn't affected. Learn More
☑ **Sleep**
Show in Power menu.
☑ **Hibernate**
Show in Power menu.
☑ **Lock**
Show in account picture menu.

Non-responsive PC Windows 10 has a completely different shell than previous versions. The Explorer.exe process is still at its core but there are a few additional components as well. If you click the Start button and nothing happens or if the entire taskbar refuses to respond to an interaction, open Task Manager (press Ctrl+Shift+Esc), find Windows Explorer in the task list and click the Restart button.

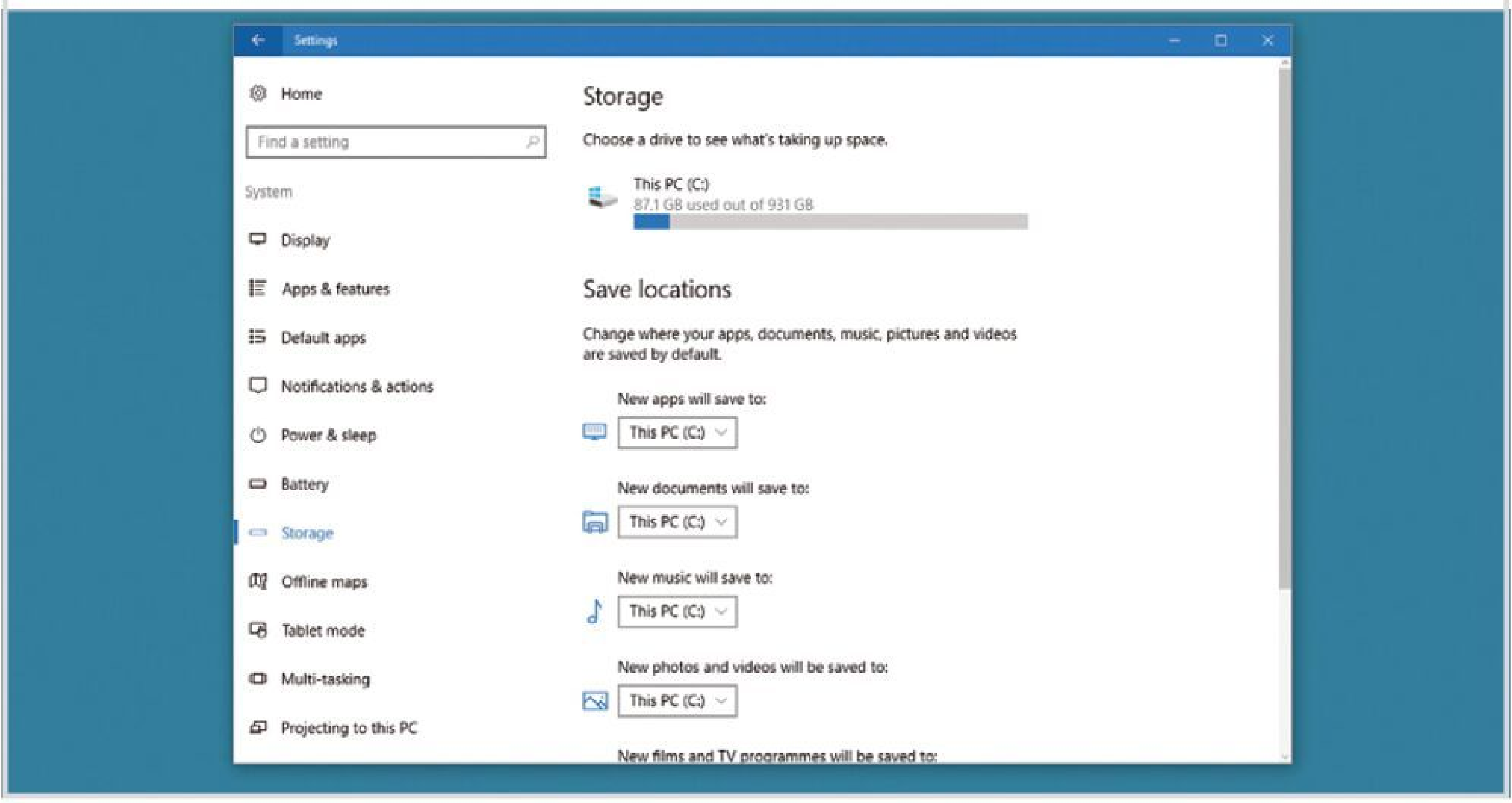

Task Manager
File Options View
Processes Performance App history Start-up Users Details Services

Name	4% CPU	38% Memory	98% Disk	0% Network
Service Host: Local Service (Net...	0%	2.1 MB	0 MB/s	0 Mbps
Service Host: Local Service (Net...	0%	1.5 MB	0 MB/s	0 Mbps
Service Host: Local Service (Net...	0%	11.5 MB	0 MB/s	0 Mbps
Service Host: Local Service (No I...	0%	3.1 MB	0 MB/s	0 Mbps
Service Host: Local Service (No ...	0%	15.0 MB	0 MB/s	0 Mbps
Service Host: Local System (16)	0.3%	34.9 MB	0 MB/s	0 Mbps
Service Host: Local System (Net...	0%	2.5 MB	0 MB/s	0 Mbps
Service Host: Local System (Net...	0.2%	76.5 MB	0 MB/s	0 Mbps
Service Host: Network Service (4)	0%	6.4 MB	0 MB/s	0 Mbps
Service Host: Remote Procedur...	0.1%	7.0 MB	0 MB/s	0 Mbps
Service Host: Unistack Service G...	0.9%	25.9 MB	0.7 MB/s	0 Mbps

Fresh Installation Tool

If Windows 10 is really giving you problems and you have tried everything else to fix the issue, you can try using the Fresh Install tool. You will lose any installed apps but will keep your files.

1 First make sure you have the following: an Internet connection to download the tool and the Windows 10 image and sufficient available data storage on the computer you are installing on. You need at least 3GB free for the download and the clean Windows 10 image file.


Settings
Home
Find a setting
System
Display
Apps & features
Default apps
Notifications & actions
Power & sleep
Battery
Storage
Offline maps
Tablet mode
Multi-tasking
Projecting to this PC

Storage

Choose a drive to see what's taking up space.

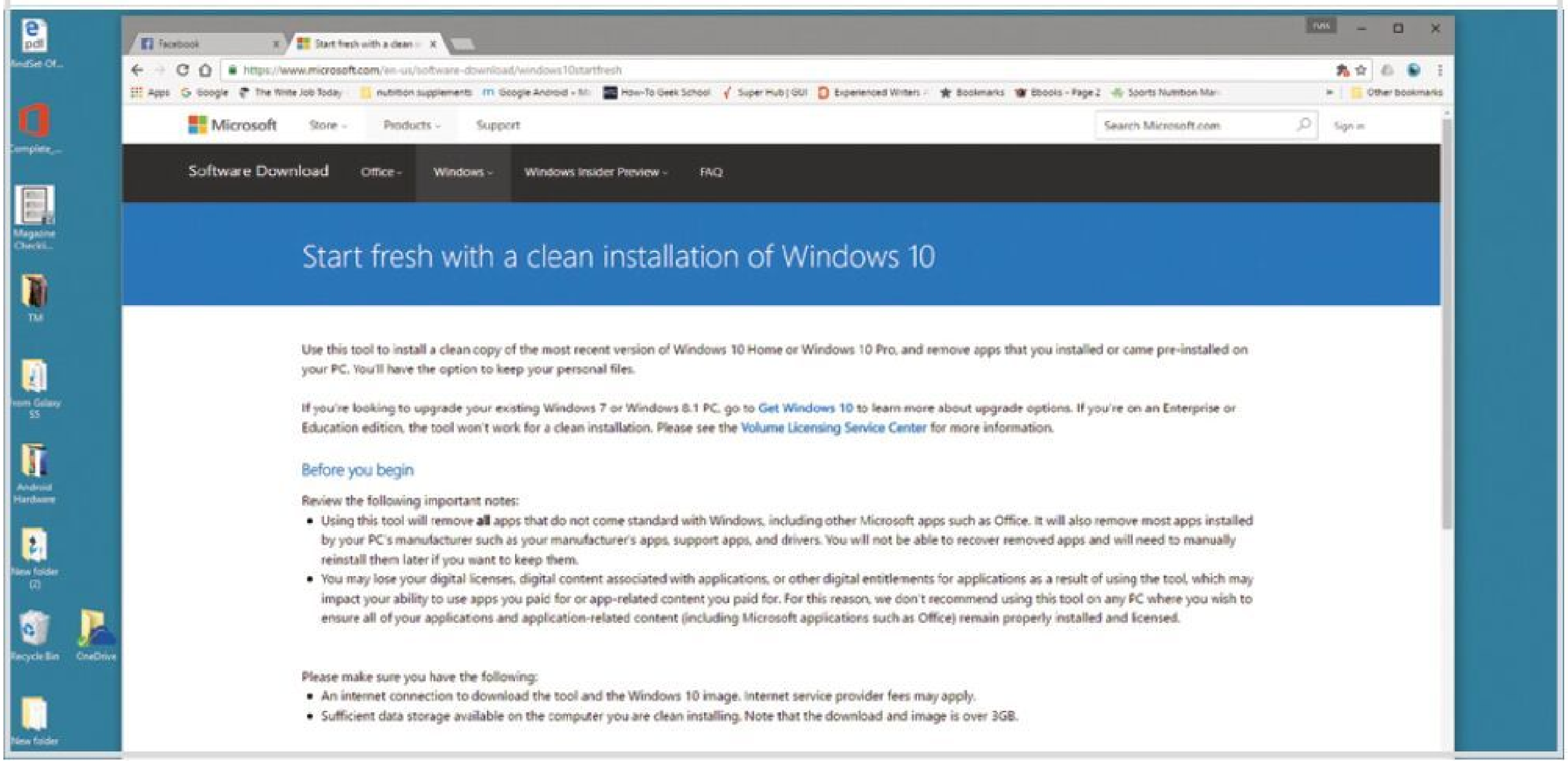
This PC (C:)
87.1 GB used out of 931 GB

Save locations

Change where your apps, documents, music, pictures and videos are saved by default.

New apps will save to: This PC (C:)
New documents will save to: This PC (C:)
New music will save to: This PC (C:)
New photos and videos will be saved to: This PC (C:)
New films and TV programmes will be saved to:

2 Download the tool **https://www.microsoft.com/en-gb/software-download/windows10startfresh**. There is some advice on the download page about retrieving and reinstalling Microsoft software such as Office. It is worth checking this out if you are heavily reliant on that software.


Facebook
Start fresh with a clean
https://www.microsoft.com/en-us/software-download/windows10startfresh
Microsoft
Store
Products
Support
Search Microsoft.com
Sign in
Software Download
Office
Windows
Windows Insider Preview
FAQ
OneDrive

Start fresh with a clean installation of Windows 10

Use this tool to install a clean copy of the most recent version of Windows 10 Home or Windows 10 Pro, and remove apps that you installed or came pre-installed on your PC. You'll have the option to keep your personal files.

If you're looking to upgrade your existing Windows 7 or Windows 8.1 PC, go to Get Windows 10 to learn more about upgrade options. If you're on an Enterprise or Education edition, the tool won't work for a clean installation. Please see the Volume Licensing Service Center for more information.

Before you begin

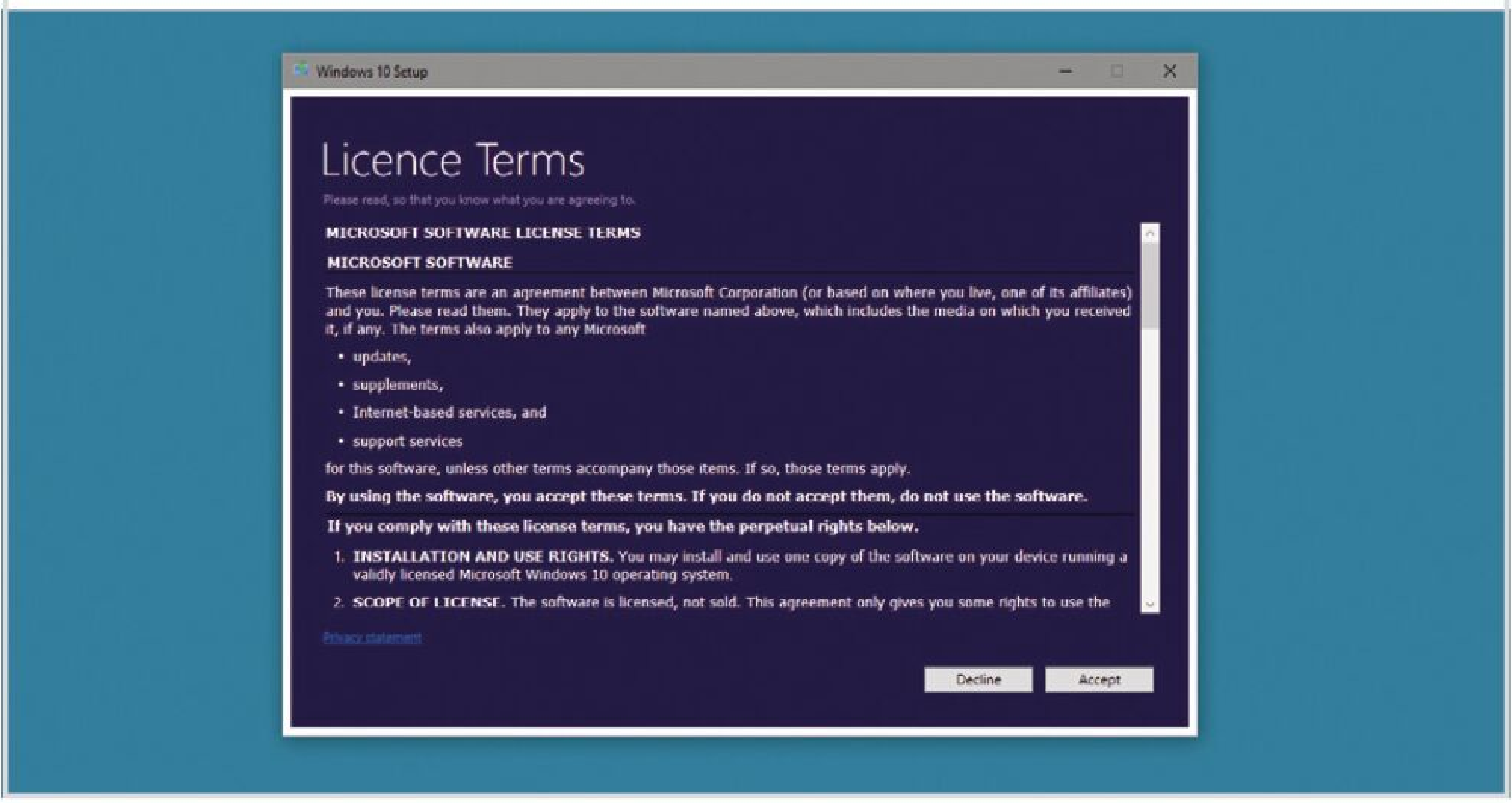
Review the following important notes:

- Using this tool will remove **all** apps that do not come standard with Windows, including other Microsoft apps such as Office. It will also remove most apps installed by your PC's manufacturer such as your manufacturer's apps, support apps, and drivers. You will not be able to recover removed apps and will need to manually reinstall them later if you want to keep them.
- You may lose your digital licenses, digital content associated with applications, or other digital entitlements for applications as a result of using the tool, which may impact your ability to use apps you paid for or app-related content you paid for. For this reason, we don't recommend using this tool on any PC where you wish to ensure all of your applications and application-related content (including Microsoft applications such as Office) remain properly installed and licensed.

Please make sure you have the following:

- An internet connection to download the tool and the Windows 10 image. Internet service provider fees may apply.
- Sufficient data storage available on the computer you are clean installing. Note that the download and image is over 3GB.

3 BACK UP EVERYTHING you want to keep! Launch the tool and review and accept the licence terms. Choose what you want to keep. If you want to keep your personal files, choose the Keep personal files only option. Select the OK button to start the installation.


Windows 10 Setup
Privacy statement
Decline
Accept

Licence Terms

Please read, so that you know what you are agreeing to.

MICROSOFT SOFTWARE LICENSE TERMS

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2. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the

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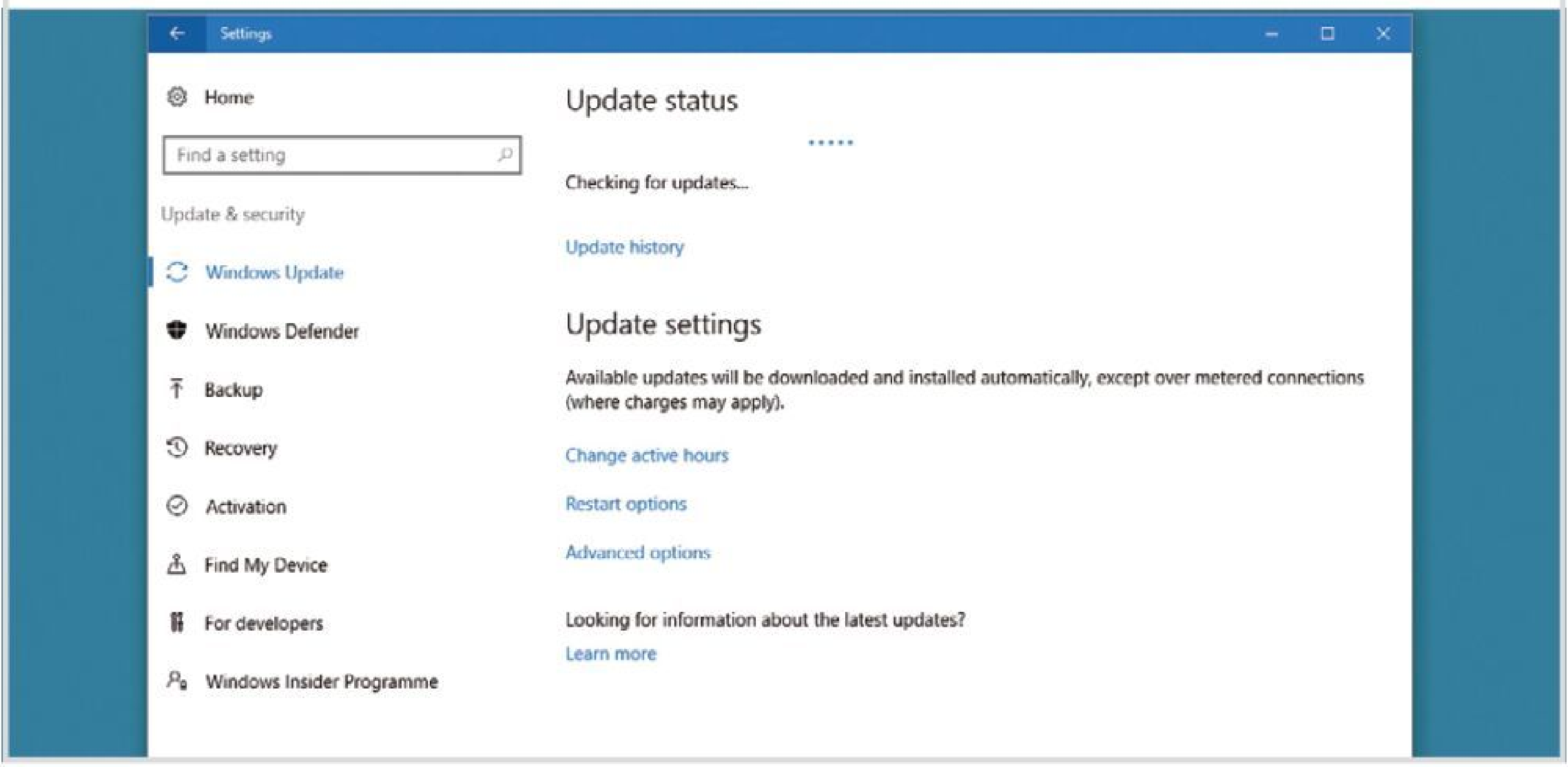
Settings
Home
Find a setting
Update & security
Windows Update
Windows Defender
Backup
Recovery
Activation
Find My Device
For developers
Windows Insider Programme

Update status

Checking for updates...

Update history

Update settings

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Change active hours

Restart options

Advanced options

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Learn more

Congratulations, we have reached the end of your latest tech adventure. With help from our team of tech experts, you have been able to answer all your questions, grow in confidence and ultimately master any issues you had. You can now proudly proclaim that you are getting the absolute best from your latest choice from the ever changing world of consumer technology and software.

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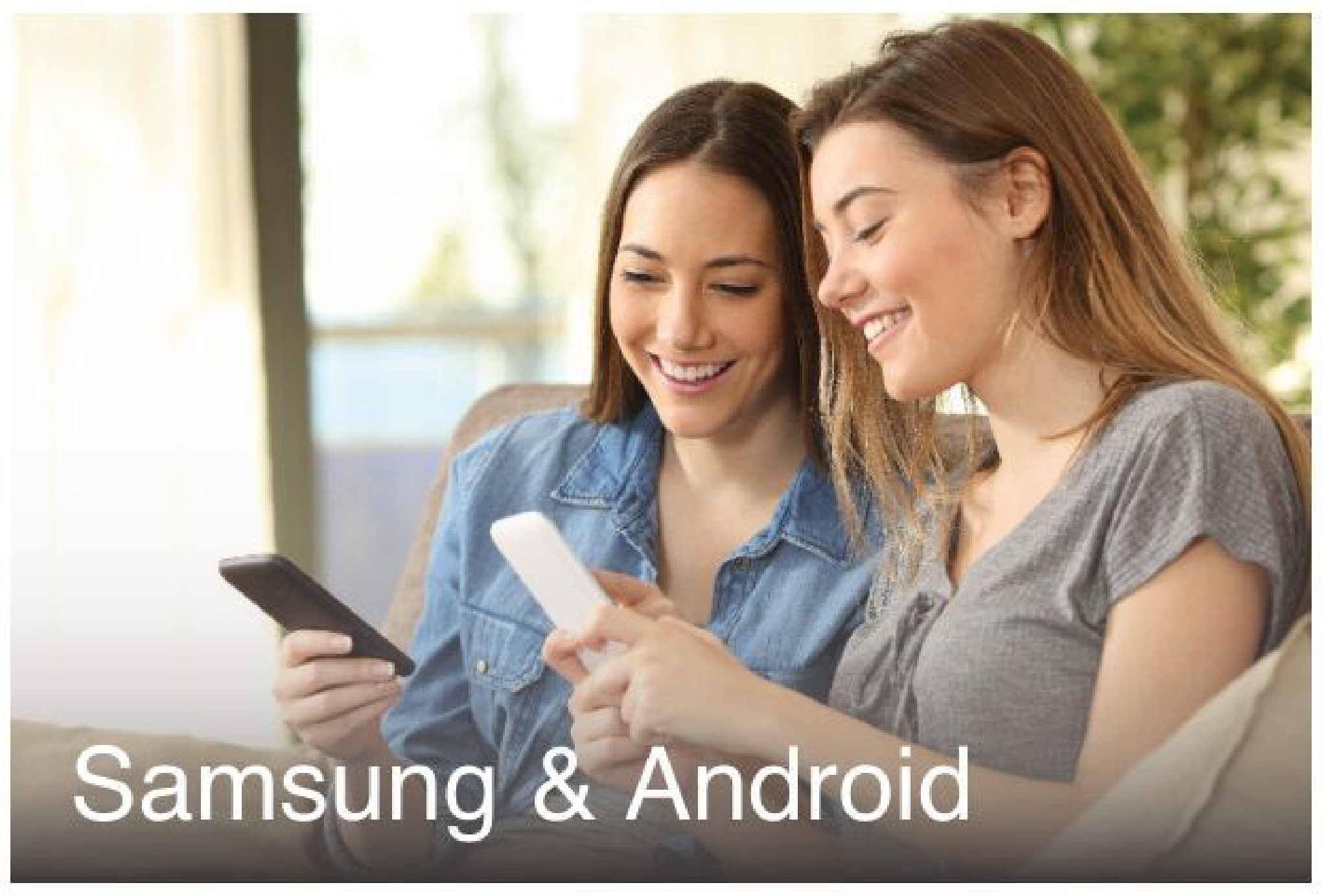
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Photography, Photoshop & Lightroom

Coding Python, Raspberry Pi & Linux

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